



Cisco Nexus 9000 Series NX-OS Command Reference (Configuration Commands), Release 10.5(x)

First Published: 2024-08-09

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883



CONTENTS

CHAPTER 1

Notices 1

Notice 2

PART I

All Configuration Commands 3

CHAPTER 2

A Commands 5

- aaa accounting dot1x default group 11
- aaa authentication dot1x default group 12
- aaa authentication login ascii-authentication 13
- aaa authentication login console 14
- aaa authentication login default 16
- aaa authentication login default fallback error local 18
- aaa authentication login enable 19
- aaa authentication login error-enable 20
- aaa authentication login invalid-username-log 21
- aaa authentication rejected 22
- aaa authentication rejected in ban 23
- aaa authorization commands console 24
- aaa authorization commands default 25
- aaa authorization ssh default group 26
- aaa bypass-user 27
- aaa group server ldap 28
- aaa group server radius 29
- aaa group server tacacs 30
- aaa server radius dynamic-author 31
- aaa user default-role 32

abort	33
abort	34
abort	35
abort	36
abort	37
absolute-timeout	38
absolute-timer	39
absolute start	40
accept-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l	41
access-class	43
access-list	44
access-list ipv6	45
action	46
action	47
action	48
action cli	49
action collect	50
action counter name value op	51
action eem test	52
action event-default	53
action forceshut reset-reason	54
action overbudgetshut	55
action policy-default	56
action reload force	57
action snmp-trap	58
action syslog msg	59
activate mode-100M	60
active-query timer	61
additional-paths install backup	62
additional-paths receive	63
additional-paths selection route-map	64
additional-paths send	65

address-family ipv4	66
address-family ipv4 labeled-unicast	67
address-family ipv4 labeled-unicast	68
address-family ipv4 mdt	69
address-family ipv4 mdt	70
address-family ipv4 mvpn	71
address-family ipv4 mvpn	72
address-family ipv4 unicast	73
address-family ipv4 unicast	74
address-family ipv4 unicast	75
address-family ipv4 unicast	76
address-family ipv4 unicast	77
address-family ipv4 unicast	78
address-family ipv4 unicast	79
address-family ipv4 unicast	80
address-family ipv4 unicast	81
address-family ipv4 unicast	82
address-family ipv6 labeled-unicast	83
address-family ipv6 labeled-unicast	84
address-family ipv6 mvpn	85
address-family ipv6 mvpn	86
address-family ipv6 unicast	87
address-family ipv6 unicast	88
address-family ipv6 unicast	89
address-family ipv6 unicast	90
address-family ipv6 unicast	91
address-family ipv6 unicast	92
address-family ipv6 unicast	93
address-family ipv6 unicast	94
address-family ipv6 unicast	95
address-family ipv6 unicast	96
address-family ipv6 unicast	97
address-family ipv6 unicast	98
address-family l2vpn evpn	99

address-family l2vpn evpn	100
address-family l2vpn vpls	101
address-family l2vpn vpls	102
address-family link-state	103
address-family link-state	104
address-family vpnv4 unicast	105
address-family vpnv4 unicast	106
address-family vpnv6 unicast	107
address-family vpnv6 unicast	108
address	109
address	110
address	111
address	112
address	113
address	114
address	115
address port-number	116
address primary	117
address secondary	118
address secondary	119
adjacency-check	120
advertise-gateway	121
advertise-gw-ip	122
advertise-labels	123
advertise-map exist default advertise-map	124
advertise-pip	125
advertise-system-mac	126
advertise evpn multicast	127
advertise interface	128
advertise local-labeled-route	129
advertise passive-only level-1	130
advertise passive-only level-2	131
advertise virtual-rmac	132
advertisement-interval	133

advertisement-interval	134
afd queue-desired	135
affinity-group	136
affinity-group activate	137
affinity-map	138
affinity	139
affinity	140
affinity	141
age	142
age	143
aggregate-address	144
aggregate-address	145
aigp	146
air-print helper	147
alert-group user-def-cmd	148
alloc mode	149
alloc mode	150
allocate-index	151
allocate-label all	152
allocate-label option-b	153
allocate1 interface2	154
allocate2 fcoe-vlan-range	155
allocate3 shared interface3	156
allow-vni-in-ethertag	157
allow feature-set	158
allowas-in	159
allowas-in	160
allowed-locators	161
allowed-vlans	162
amt flush-routes	163
amt pseudo-interface	164
analytics	165
analytics cluster	166
announce duration	167

announce duration range	168
announce interval	169
announce interval range	170
anonymous-id	171
anti-jam disable	172
ao	173
app-default-gateway guest-interface	174
app-default-ipv6-gateway guest-interface	175
app-hosting appid	176
app-hosting appid	177
app-hosting bootflash backend storage limit	178
app-hosting bridge	179
app-hosting data appid copy	180
app-hosting data appid delete	181
app-hosting install appid package	182
app-hosting signed-verification disable app-hosting signed-verification enable	183
app-hosting upgrade appid package	184
app-resource docker	185
app-resource profile custom	186
app-vnic guest-interface	187
app-vnic host	188
apply profile	189
area authentication	190
area authentication disable ipsec spi md5 sha1 key-chain	191
area default-cost	192
area default-cost	193
area encryption disable ipsec spi esp 3des aes 128 authentication sha1	194
area filter-list route-map in	196
area filter-list route-map in	197
area nssa	198
area nssa	199
area nssa translate type7 always never suppress-fa	200
area nssa translate type7 always never suppress-fa	201
area range	202

area range	203
area segment-routing mpls	204
area sham-link	205
area stub	206
area stub	207
area virtual-link	208
area virtual-link	209
area virtual-link	210
area virtual-link	211
arp access-list	212
as-format asdot	213
as-override	214
association-group	215
association-group	216
attach console module	217
attach module	218
attribute-group	219
attribute-group	220
attribute-group	221
auth-mechanism plain	222
authentication-check	223
authentication-check	224
authentication-check level-1	225
authentication-check level-2	226
authentication-key	227
authentication-key	228
authentication-key	229
authentication-type cleartext	230
authentication-type cleartext	231
authentication-type cleartext level-1	232
authentication-type cleartext level-2	233
authentication	234
authentication	235
authentication	236

authentication bind	237
authentication disable ipsec spi md5 sha1 key-chain	238
authentication ipsec spi md5 sha1 key-chain	239
authentication key-chain	240
authentication key-chain	241
authentication key-chain	242
authentication key-chain	243
authentication key-chain	244
authentication key-chain level-1	245
authentication key-chain level-2	246
authentication mode md5	247
authentication text	248
auto-cost reference-bandwidth	249
auto-cost reference-bandwidth	250
auto-recovery	251
autonomous-system	252
autostate	253
autovlan enable	254
awk	255

CHAPTER 3
B Commands 257

backoff	260
bandwidth	261
bandwidth	262
bandwidth	263
bandwidth	264
bandwidth	265
bandwidth	266
bandwidth kbps mbps gbps	267
bandwidth kbps mbps gbps	268
banner exec	269
banner motd	270
bcm-shell module	271
bcm-shell module	272

beacon	273
begin exclude include end	274
bestpath	275
bestpath origin-as allow invalid	276
bestpath origin-as use-validity	277
bfd	278
bfd	279
bfd	280
bfd	281
bfd	282
bfd	283
bfd	284
bfd	285
bfd	286
bfd authentication interop	287
bfd authentication key-id key	288
bfd echo-interface	289
bfd echo-rx-interval	290
bfd echo	291
bfd hw-offload	292
bfd interval	293
bfd interval	294
bfd interval min_rx multiplier	295
bfd interval min_rx multiplier	296
bfd local-address	297
bfd multihop authentication key-id key	298
bfd multihop interval	299
bfd multihop interval min_rx multiplier	300
bfd multihop interval min_rx multiplier	301
bfd optimize subinterface	302
bfd per-link	303
bfd slow-timer	304
bfd startup-timer bfd startup-timer	305
bfshell	306

bfshell cmd	307
bfshell module	308
bfshell module cmd	309
binary-location	310
bind interface	311
bind mac-address	312
blink	313
bloggerd auto-collect component	314
bloggerd clear evtlog stats	315
bloggerd live-process-core sap	316
bloggerd log-dump all	317
bloggerd log-dump once log-buffer sap	318
bloggerd log-dump once log-buffer sap event-history	319
bloggerd log-dump once pss uuid	320
bloggerd log-snapshot	321
bloggerd log-throttle	322
bloggerd log-transfer	323
bloggerd log-transfer	324
bloggerd parse log-buffer file	325
bloggerd parse log-buffer file sap	326
bloggerd parse pss file	327
bloggerd reparse log-profile	328
bmp-activate-server	329
bmp-server	330
boot-order	331
boot	332
boot aci	333
boot auto-copy	334
boot fex	335
boot kickstart	336
boot mode docker_cluster	337
boot mode lxc	338
boot nxos	339
boot nxos sup-l	340

boot nxos sup-1 sup-2	341
boot nxos sup-2	342
boot order bootflash	343
boot order pxe	344
boot poap enable	345
boot system	346
broadcast	347
broadcast	348
buffer-boost	349
buffer-delete	350
buffer-drop collector	351
buffer-drop monitor	352
buffer-drop system monitor	353
buffer-latency collector	354
buffer-latency monitor	355
buffer-latency record	356
buffer-latency system monitor	357
buffer-latency threshold	358
buffer-move	359
burst-detect active-queue-percentage	360
burst-detect enable	361
burst-detect rise-threshold bytes fall-threshold bytes2	362

CHAPTER 4**C Commands 363**

cable-delay compensation	377
cabundle	378
cabundle url	379
callhome	380
callhome send configuration	381
callhome send diagnostic	382
callhome test	383
callhome test inventory	384
candidate-paths	385
candidate-paths	386

capability additional-paths receive 387
capability additional-paths send 388
capability suppress 4-byte-as 389
capability vrf-lite 390
capture 391
capture 392
capture 393
capture rcv 394
capture rcv 395
capture session 396
carrier-delay 397
cd 398
cdp advertise vl 399
cdp enable 400
cdp enable 401
cdp format device-id 402
cdp holdtime 403
cdp timer 404
certificate 405
certificate 406
certificate trustpoint 407
cfs debug all 408
cfs distribute 409
cfs eth distribute 410
cfs ipv4 distribute 411
cfs ipv4 mcast-address 412
cfs ipv6 distribute 413
cfs ipv6 mcast-address 414
cfs refresh static-peers 415
cfs region 416
cfs static-peers 417
change-password 418
channel-group 419
channel-group 420

channel-group	421
channel-group	422
channel-group auto	423
channel-group force	424
channel-group force	425
channel mode active	426
chassis associate chassis-serial module-serial port-profile module-side left	427
chassis management-instance fabric	428
checkpoint	429
checkpoint	430
cipher-suite	431
cipher-suite	432
class-map	433
class-map type control-plane	434
class-map type network-qos	435
class-map type queuing	436
class-map type queuing	437
class	438
class	439
class __inline__	440
class class-default	441
class type network-qos	442
class type network-qos class-default	443
class type psp	444
class type queuing	445
clear	446
clear	447
clear	448
clear	449
clear aaa client radius statistics	450
clear aaa local user blocked username	451
clear aaa server radius statistics	452
clear aaa user blocked username	453
clear access-list dest-miss stats	454

clear access-list hardware counters	455
clear access-list ipsg stats	456
clear accounting log	457
clear aclqos cl-qos	458
clear aclqos fab	459
clear aclqos fc	460
clear aclqos libdrv	461
clear aclqos map	462
clear aclqos merge	463
clear aclqos pl	464
clear aclqos ppf-parse	465
clear aclqos ppf	466
clear aclqos qng-hw	467
clear aclqos qng	468
clear aclqos rl	469
clear aclqos rm	470
clear aclqos sch	471
clear aclqos stats	472
clear aclqos tbl	473
clear aclqos trace-detail	474
clear aclqos trace	475
clear aclqos uf	476
clear bfd statistics	477
clear bgp	478
clear bgp bmp stats server	480
clear bgp rpki cache	481
clear bootflash	482
clear bootvar log	483
clear cdp counters	484
clear checkpoint database	485
clear cli history	486
clear configuration	487
clear configuration commits oldest	488
clear controller accounting log	489

clear copp statistics 490

clear cores 491

clear cores archive 492

clear counters 493

clear counters buffers 494

clear counters interface 495

clear counters interface 496

clear counters interface all 497

clear counters interface snmp 498

clear counters interface transceiver performance-monitoring history fec interval 499

clear counters interface transceiver performance-monitoring current fec 500

clear counters mpls strip 501

clear counters tah-buffers 502

clear crypto ca trustpool timer 503

clear debug logfile 504

clear device-alias database 505

clear device-alias session 506

clear device-alias statistics 507

clear dot1x all 508

clear dot1x stats interface 509

clear dpvm auto-learn 510

clear dpvm merge statistics 511

clear dpvm session 512

clear ecp statistics 513

clear epbr statistics policy 514

clear esmc counters interface 515

clear evb hosts 516

clear evb hosts 517

clear evb statistics 518

clear fabric-binding statistics vsan 519

clear fabric database dc1 vrf node-id 520

clear fabric database host statistics 521

clear fabric database statistics 522

clear fabric database statistics type server-proto radius group 523

clear fabric database statistics type server-proto xmpp ip	524
clear fabric forwarding dup-host	525
clear fabricpath isis adjacency	526
clear fabricpath isis statistics	527
clear fabricpath isis traffic	528
clear fc2	529
clear fc2	530
clear fcdomain session vsan	531
clear fcns statistics vsan	532
clear fcs statistics vsan	533
clear fctimer session	534
clear filter stats	535
clear flow cache	536
clear flow cache	537
clear flow exporter	538
clear flow rtp details	539
clear forwarding adjacency mpls stats	540
clear forwarding cumulative counter	541
clear forwarding datamdt-route-history	542
clear forwarding distribution lisp counters all	543
clear forwarding events-history	544
clear forwarding inconsistency	545
clear forwarding ipv4 multicast counters	546
clear forwarding ipv6-l3-route-history	547
clear forwarding ipv6 adjacency mpls stats	548
clear forwarding ipv6 inconsistency	549
clear forwarding ipv6 multicast counters	550
clear forwarding ipv6 route module	551
clear forwarding l2-mc-route-history	552
clear forwarding l2-oiflist-history	553
clear forwarding l2-route-history	554
clear forwarding l2_prime-oiflist-history	555
clear forwarding l2mcast info l2-mc-route-history	556
clear forwarding l2mcast info l2-oiflist-history	557

clear forwarding l2mcast info l2-route-history	558
clear forwarding l2mcast info l2-xbar-history	559
clear forwarding l2mcast info statistics	560
clear forwarding l2rib-route-history	561
clear forwarding l2vpn trace member-history	562
clear forwarding l3-route-history	563
clear forwarding mpls drop-stats	564
clear forwarding mpls stats	565
clear forwarding mpls trace adj-history	566
clear forwarding mpls trace ecmp-history	567
clear forwarding mpls trace label-history	568
clear forwarding mpls trace te-history	569
clear forwarding oiflist-history	570
clear forwarding otv oiflist-history	571
clear forwarding proactive-cc inconsistencies	572
clear forwarding proactive-cc stats	573
clear forwarding route module	574
clear forwarding trace ecmp-history	575
clear forwarding trace mfib mct-history	576
clear forwarding trace mfib oif-history	577
clear forwarding trace mfib oiflist-history	578
clear forwarding trace mfib otv oif-history	579
clear forwarding trace mfib otv oiflist-history	580
clear forwarding trace mfib otv v4-route-history	581
clear forwarding trace mfib otv v6-route-history	582
clear forwarding trace mfib platform oiflist-history	583
clear forwarding trace mfib v4-route-history	584
clear forwarding trace mfib v6-route-history	585
clear forwarding trace nve-ir-peer-history	586
clear forwarding trace nve-l2-vni-history	587
clear forwarding trace nve-l3-vni-history	588
clear forwarding trace nve-peer-history	589
clear forwarding trace otv-adj-history	590
clear forwarding trace otv-vlan-history	591

clear forwarding trace srv6-decap-history	592
clear forwarding trace srv6-encap-history	593
clear forwarding trace srv6-local-sid-history	594
clear forwarding trace srv6-peer-history	595
clear forwarding trace v4-adj-history	596
clear forwarding trace v4-pfx-history	597
clear forwarding trace v4-rnh-history	598
clear forwarding trace v6-adj-history	599
clear forwarding trace v6-pfx-history	600
clear forwarding trace v6-rnh-history	601
clear forwarding trace vobj-history	602
clear frame traffic	603
clear fs-daemon log	604
clear fspf counters vsan	605
clear fspf counters vsan interface	606
clear hardware deduplication statistics	607
clear hardware flow ip	608
clear hardware flow ipv6	609
clear hardware flow l2	610
clear hardware flow mpls	611
clear hardware ip verify	612
clear hardware profile buffer monitor	614
clear hardware profile latency monitor	615
clear hardware profile packet-drop file_instance	616
clear hardware rate-limiter	617
clear hardware rate-limiter	618
clear hsrp counters clear hsrp state-history	619
clear install all failed-standby	620
clear install failure-reason	621
clear install log-history all	622
clear install status	623
clear ip adjacency statistics	624
clear ip amt tunnel	625
clear ip arp	626

clear ip arp controller-statistics	627
clear ip arp inspection log	628
clear ip arp inspection statistics vlan	629
clear ip arp l2 statistics interface	630
clear ip arp multihoming-statistics	631
clear ip arp statistics	632
clear ip arp suppression-cache statistics	633
clear ip arp tunnel-statistics	634
clear ip arp vpc-statistics	635
clear ip dhcp global statistics	636
clear ip dhcp relay statistics	637
clear ip dhcp snooping binding	638
clear ip dhcp snooping statistics	639
clear ip eigrp accounting	640
clear ip eigrp redistribution	641
clear ip eigrp traffic	642
clear ip igmp groups	643
clear ip igmp interface statistics	644
clear ip igmp snooping explicit-tracking	645
clear ip igmp snooping groups	646
clear ip igmp snooping mac-oifs	647
clear ip igmp snooping proxy querier ports vlan	648
clear ip igmp snooping report statistics	649
clear ip igmp snooping statistics	650
clear ip interface statistics	651
clear ip lisp data-cache	652
clear ip lisp map-cache	653
clear ip lisp statistics	654
clear ip mbgp dampening	655
clear ip mbgp flap-statistics	657
clear ip mbgp peer-template	659
clear ip mroute	661
clear ip mroute statistics	662
clear ip msdp peer	663

clear ip msdp policy statistics sa-policy in	664
clear ip msdp sa	665
clear ip msdp statistics	666
clear ip nat-alias address	667
clear ip nat statistics	668
clear ip nat translation	669
clear ip ospf neighbor	671
clear ip ospf redistribution	672
clear ip ospf statistics	673
clear ip ospf traffic	674
clear ip pim interface statistics	675
clear ip pim pfm-sd cache	676
clear ip pim policy statistics	677
clear ip pim policy statistics jp	678
clear ip pim route	679
clear ip pim statistics	680
clear ip rip policy statistics redistribute bgp	681
clear ip rip statistics	682
clear ip traffic	683
clear ipv6 adjacency statistics	684
clear ipv6 amt tunnel	685
clear ipv6 dhcp relay prefix-delegation	686
clear ipv6 dhcp relay statistics	687
clear ipv6 icmp	688
clear ipv6 icmp l2 statistics interface	689
clear ipv6 icmp nd local-proxy stats	690
clear ipv6 icmp vpc-statistics	691
clear ipv6 interface statistics	692
clear ipv6 lisp data-cache	693
clear ipv6 lisp statistics	694
clear ipv6 mld groups	695
clear ipv6 mld interface statistics	696
clear ipv6 mld snooping explicit-tracking	697
clear ipv6 mld snooping groups	698

clear ipv6 mld snooping proxy querier ports vlan	699
clear ipv6 mld snooping report statistics	700
clear ipv6 mld snooping statistics	701
clear ipv6 mroute	702
clear ipv6 mroute statistics	703
clear ipv6 neighbor	704
clear ipv6 neighbor binding	705
clear ipv6 pim interface statistics	706
clear ipv6 pim policy statistics jp	707
clear ipv6 pim route	708
clear ipv6 pim statistics	709
clear ipv6 rguard statistics	710
clear ipv6 rip policy statistics redistribute bgp	711
clear ipv6 snooping counters	712
clear ipv6 snooping events	713
clear ipv6 snooping messages	714
clear ipv6 traffic	715
clear isis adjacency	716
clear isis redistribution	717
clear isis spf-log	718
clear isis statistics	719
clear isis traffic	720
clear itd statistics	721
clear l2dbg	722
clear l2route evpn mac evi permanently-frozen-list	723
clear lacp counters	724
clear lcmd stats interface	725
clear ldap-server statistics	726
clear lim counters	728
clear line	729
clear lisp ddt referral-cache	730
clear lisp dynamic-eid	731
clear lisp proxy-itr	732
clear lisp site	733

clear lldp counters 734

clear lldp counters interface 735

clear logging dropcount 736

clear logging logfile 737

clear logging nvram 738

clear logging onboard 739

clear logging onboard 740

clear logging session 741

clear mac address-table dynamic 742

clear macsec mka statistics 743

clear macsec secy statistics 744

clear mdns-sd controller statistics 745

clear mdns-sd file-logging 746

clear mdns-sd statistics global 747

clear mdns-sd statistics raw-stats 748

clear monitor session drops 749

clear mpls access-list counters 750

clear mpls forwarding statistics 751

clear mpls static trace 752

clear mpls switching label statistics 753

clear mts dedup_stats uuid app_update_id 754

clear mts message statistics 755

clear mvr counters 756

clear mvr counters receiver-ports 757

clear mvr counters source-ports 758

clear nat itd 759

clear nbm flows statistics 760

clear ngoam 761

clear ngoam 762

clear ngoam 763

clear ngoam loop-detection statistics 764

clear ngoam pathtrace 765

clear ntp session 766

clear ntp statistics 767

clear nve peer-ip	768
clear nve peers history-log	769
clear nve peers interface counters	770
clear nve peers vni interface counters	771
clear nve vni counters	772
clear nvram	773
clear nxapi-server logs	774
clear ospfv3 neighbor	775
clear ospfv3 statistics	776
clear ospfv3 traffic	777
clear otv isis adjacency	778
clear otv isis route-map statistics	779
clear otv isis statistics	780
clear otv isis traffic	781
clear peer-info interface vsan	782
clear pktmgr client	783
clear pktmgr interface	784
clear port-security dynamic address vlan	785
clear port-security dynamic interface	786
clear processes log all	787
clear processes log all vdc-all	788
clear processes log archive	789
clear processes log pid	790
clear processes vdc log all	791
clear processes vdc log pid	792
clear ptp corrections	793
clear ptp counters interface	794
clear qos mpls-snmp	795
clear qos policies	796
clear qos statistics	797
clear queuing burst-detect	798
clear queuing llfc-queue	799
clear queuing pfc-queue	800
clear queuing pfc-queue interface	801

clear queuing tah-pfc-queue	802
clear radius-server statistics	803
clear radius session	805
clear rmon	806
clear route-map pbr-statistics	807
clear routing ip multicast mfdm pending counters	808
clear routing ip multicast rpf-source retry-cache	809
clear routing ipv6 multicast	810
clear routing ipv6 multicast mfdm pending counters	811
clear routing ipv6 multicast rpf-source retry-cache	812
clear routing multicast	813
clear rscn session vsan	814
clear rscn statistics vsan	815
clear scheduler logfile	816
clear screen	817
clear session state name	818
clear sflow statistics	819
clear snmp counters	820
clear snmp hostconfig	821
clear sockets statistics	822
clear spanning-tree counters	823
clear spanning-tree detected-protocols	824
clear spanning-tree sps-hist	825
clear srv6 sid counters	826
clear ssh hosts	827
clear statistics module-all	828
clear statistics module	829
clear system login failures	830
clear system reset-reason	831
clear system tech-support blocked-commands	832
clear tacacs-server statistics	833
clear tech-support lock	835
clear tech-support lock	836
clear tunnel-encryption statistics	837

clear upgrade history	838
clear user	839
clear veobc counters	840
clear vlan access-list counters	841
clear vlan counters	842
clear vmtracker counters	843
clear vpc statistics all	844
clear vpc statistics peer-keepalive	845
clear vpc statistics vpc	846
clear vpc transport statistics	847
clear vrrp statistics	848
clear vrrpv3 statistics	849
clear vtp counters	850
clear zone database vsan1	851
clear zone lock vsan	852
clear zone smart-zoning	853
clear zone statistics vsan	854
cli alias check strict	855
cli alias name	856
cli var name	857
cli var name	858
cli var name	859
client-to-client reflection	860
client vrf management default	861
clock-interface sync	862
clock-tolerance ntp oneway absolute	863
clock format 12	864
clock format show-timezone debug	865
clock format show-timezone syslog	866
clock protocol	867
clock set	868
clock summer	870
close-connection fin	871
cluster-id	872

cluster	873
collect	874
collect	875
collect	876
collect	877
collect	878
collect counter bytes	879
collect counter bytes	880
collect counter bytes	881
collect interval	882
collect interval	883
collect ip version	884
collect timestamp sys-uptime first	885
collect timestamp sys-uptime first	886
collect timestamp sys-uptime first	887
collect transport tcp flags	888
collect transport tcp flags	889
collect transport tcp flags	890
collector	891
collector	892
collector	893
color	894
color	895
color	896
color	897
color	898
color	899
color	900
color	901
color endpoint	902
commit	903
commit	904
commit	905
commit	906

commit verbose	907
conf-offset	908
confederation identifier	909
confederation peers	910
configure	911
configure dual-stage	912
configure maintenance profile normal	913
configure profile	914
configure replace	915
configure replace abort	917
configure replace commit	918
configure session	919
configure sync	920
congestion-control dctcp ecn-threshold bytes	921
congestion-control ecn	922
congestion-control random-detect	923
congestion-control random-detect forward-nonecn	924
congestion-control random-detect global-buffer minimum-threshold maximum-threshold	925
congestion-control tail-drop	926
connect	927
connected-prefix-sid-map	928
constellation	929
constraints	930
constraints	931
continue	932
contract-id	933
control-plane	934
control-plane dynamic	935
control-word	936
controller-credentials username password 0	937
controller ip vrf	938
copp copy profile prefix	939
copp profile	940
copp profile	941

copp rate-limit disable	942
copy	943
copy	945
copy licenses	946
copy licenses	947
copy recursive	948
copy running vdc-all	949
copy vdc-all	950
cost	951
count	952
count	953
cpu	954
crypto ca authenticate	955
crypto ca cabundle	956
crypto ca crl request	957
crypto ca enroll	958
crypto ca export pkcs12	959
crypto ca import certificate	960
crypto ca import pkcs12	961
crypto ca import pkcs7	962
crypto ca lookup	963
crypto ca remote ldap	964
crypto ca trustpoint	965
crypto ca trustpool import url	966
crypto ca trustpool import url clean	967
crypto ca trustpool policy	968
crypto cert ssh-authorize	969
crypto certificatemap mapname	970
crypto key generate ecc	971
crypto key generate rsa	972
crypto key zeroize rsa	973
crypto qkd profile	974
cryptographic-algorithm	975
cryptographic-algorithm	976

customer-id 977

cut 978

CHAPTER 5

D Commands 979

dampen-igp-metric 986

dampening 987

dampening 988

dampening 989

data-pattern 990

data-pattern pad 991

data-source 992

database-mapping 993

databits 994

databits 995

dataplane mpls 996

dataplane mpls 997

db-jid 998

db-security user password 999

db-size 1000

db-table 1001

dchal module 1002

dchal module 1003

dci-advertise-pip 1004

dead-interval 1005

dead-interval 1006

dead-interval 1007

deadtime 1008

deadtime 1009

deadtime 1010

deep-buffer 1011

default-information originate 1012

default-information originate 1013

default-information originate 1014

default-information originate 1015

default-information originate	1016
default-information originate	1017
default-information originate always rd route-target	1018
default-metric	1019
default-metric	1020
default-metric	1021
default-metric	1022
default-metric	1023
default-originate	1024
default-route nssa-abr pbit-clear	1025
default-route nssa-abr pbit-clear	1026
default-traffic-action	1027
default address-family ipv4 mdt	1028
default permit	1029
default permit	1030
default permit	1031
default permit	1032
default permit	1033
default permit	1034
define	1035
delay-response duration	1036
delay-response duration range	1037
delay-response interval	1038
delay-response interval range	1039
delay-restore time	1040
delay	1041
delay	1042
delay	1043
delay	1044
delay peer-link	1045
delay restore	1046
delay restore interface-vlan	1047
delay restore orphan-port	1048
delete	1049

delete ca-certificate	1050
delete certificate	1051
delete crl	1052
demand-circuit	1053
depth	1054
depth	1055
description	1056
description	1057
description	1058
description	1059
description	1060
description	1061
description	1062
description	1063
description	1064
description	1065
description	1066
description	1067
description	1068
description	1069
description	1070
description	1071
description	1072
description	1073
description	1074
description	1075
description	1076
description	1077
description	1078
description	1079
description	1080
description	1081
description	1082
description	1083

description	1084
description	1085
description	1086
description	1087
description	1088
description	1089
description	1090
description	1091
description	1092
description	1093
description	1094
description	1095
description	1096
description	1097
description	1098
description	1099
description	1100
description	1101
description	1102
description	1103
description	1104
description	1105
description	1106
description	1107
description	1108
description	1109
dest-ipaddr	1110
dest-ipaddr	1111
dest-port	1112
dest	1113
destination-group	1114
destination-profile	1115
destination-profile	1116
destination-profile CiscoTAC-1 alert-group	1117

destination-profile CiscoTAC-1 email-addr	1118
destination-profile CiscoTAC-1 http	1119
destination-profile CiscoTAC-1 index email-addr	1120
destination-profile CiscoTAC-1 index http	1121
destination-profile CiscoTAC-1 transport-method email	1122
destination-profile CiscoTAC-1 transport-method http	1123
destination-profile alert-group	1124
destination-profile email-addr	1125
destination-profile format	1126
destination-profile full-txt-destination alert-group	1127
destination-profile full-txt-destination email-addr	1128
destination-profile full-txt-destination http	1129
destination-profile full-txt-destination index email-addr	1130
destination-profile full-txt-destination index http	1131
destination-profile full-txt-destination message-level	1132
destination-profile full-txt-destination message-size	1133
destination-profile full-txt-destination transport-method http	1134
destination-profile full-txt-destination transport-method email	1135
destination-profile http	1136
destination-profile index email-addr	1137
destination-profile index http	1138
destination-profile message-level	1139
destination-profile message-size	1140
destination-profile short-txt-destination alert-group	1141
destination-profile short-txt-destination email-addr	1142
destination-profile short-txt-destination http	1143
destination-profile short-txt-destination index email-addr	1144
destination-profile short-txt-destination index http	1145
destination-profile short-txt-destination message-level	1146
destination-profile short-txt-destination message-size	1147
destination-profile short-txt-destination transport-method email	1148
destination-profile short-txt-destination transport-method http	1149
destination-profile transport-method email	1150
destination-profile transport-method http	1151

destination-sup interface	1152
destination	1153
destination	1154
destination	1155
destination	1156
destination	1157
destination	1158
destination any	1159
destination group	1160
destination inband-interface	1161
destination inband-interface	1162
destination inband-interface	1163
destination interface	1164
destination ip	1165
destination ipv4	1166
destination ipv6	1167
destination ipv6	1168
destination sup-eth0	1169
destination sup-eth0	1170
destination sup-eth0	1171
device-alias abort	1172
device-alias commit	1173
device-alias confirm-commit enable	1174
device-alias database	1175
device-alias distribute	1176
device-alias import fcalias vsan	1177
device-alias mode enhanced	1178
device-alias name	1179
device-alias name pwwn	1180
device-alias rename	1181
device-alias vsan	1182
device-group	1183
device-role	1184
device-role	1185

device-role	1186
df-election time	1187
dfe-tuning-delay	1188
diagnostic bootup level	1189
diagnostic bootup level	1190
diagnostic clear result module all diagnostic clear result module test	1191
diagnostic monitor interval module test all hour min second	1192
diagnostic monitor module test all	1193
diagnostic monitor syslog	1194
diagnostic ondemand action-on-failure continue failure-count diagnostic ondemand action-on-failure stop	1195
diagnostic ondemand iteration	1196
diagnostic ondemand test-parameter module test port_lb packet-length	1197
diagnostic start module test	1198
diagnostic stop module test all	1199
diagnostic test simulation module test diagnostic test simulation module test clear	1200
dialin-stream	1201
diff-clean	1202
diff-clean all-users	1203
diff	1204
dir	1205
disable-connected-check	1206
disable-fka	1207
disable-peer-as-check	1208
disable-policy-batching	1209
disable-smart-zoning	1210
disable vlan	1211
discard-route external	1212
discard-route external	1213
disjoint	1214
disjoint	1215
distance	1216
distance	1217
distance	1218

distance	1219
distance	1220
distance	1221
distribute into route-map all	1222
distribute link-state	1223
dlb-interface	1224
dmz-link-bandwidth	1225
dns	1226
domain-id	1227
domain-id secondary	1228
domain-tag	1229
dont-capability-negotiate	1230
dos2nxos	1231
dot1q	1232
dot1q	1233
dot1q default dynamic	1234
dot1x authentication event server dead action authorize	1235
dot1x authentication order	1236
dot1x default	1237
dot1x default	1238
dot1x host-mode	1239
dot1x initialize	1240
dot1x mac-auth-bypass	1241
dot1x mac-move	1242
dot1x max-reauth-req	1243
dot1x max-req	1244
dot1x pae	1245
dot1x port-control	1246
dot1x radius-accounting	1247
dot1x re-authenticate interface	1248
dot1x re-authentication	1249
dot1x show credential	1250
dot1x supplicant eap profile	1251
dot1x system-auth-control	1252

dot1x timeout inactivity-period	1253
dot1x timeout quiet-period	1254
dot1x timeout ratelimit-period	1255
dot1x timeout re-authperiod	1256
dot1x timeout server-timeout	1257
dot1x timeout supp-timeout	1258
dot1x timeout tx-period	1259
down-bit-ignore	1260
downlink delay	1261
dpp set-qos-group	1262
dpvm abort	1263
dpvm activate	1264
dpvm auto-learn	1265
dpvm commit	1266
dpvm database	1267
dpvm database copy active	1268
dpvm database diff	1269
dpvm distribute	1270
dpvm fip enable	1271
dpvm overwrite-duplicate-pwwn	1272
dpvm restart	1273
dre-thresholds	1274
drop-trigger	1275
drop access-list	1276
dscp	1277
dscp	1278
dscp	1279
dscp	1280
dscp	1281
dscp	1282
dscp	1283
dst-grp	1284
dual-active exclude interface-vlan	1285
duplex	1286

duplex 1287
duplicate-message throttle 1288
dynamic-capability 1289
dynamic-med-interval 1290
dynamic-timer 1291
dynamic 1292
dynamic 1293

CHAPTER 6**E Commands 1295**

eap profile 1299
eapol mac-address 1300
ebgp-multihop 1301
ecckeypair 1302
echo 1303
ecp max-retries 1304
ecp mode lan 1305
ecp retransmission-timer-exponent 1306
eem test 1307
eemtest policy-add 1308
eemtest policy-remove 1309
egress-engineering 1310
egress-host 1311
egress-host 1312
egress-interface 1313
egress-interface 1314
egress 1315
eid-prefix 1316
elevation threshold 1317
email-addr 1318
email-contact 1319
email 1320
email 1321
enable 1322
enable Cert 1323

encapsulation-type 1324

encapsulation 1325

encapsulation dot1q 1326

encapsulation dot1q 1327

encapsulation dot1q provider-vlan 1328

encapsulation mpls 1329

encapsulation mpls 1330

encapsulation mpls source ipv4 1331

encryption decrypt type6 1332

encryption delete type6 1333

encryption disable ipsec spi esp 3des aes 128 authentication sha1 1334

encryption ipsec spi esp 3des aes 128 authentication sha1 1335

encryption re-encrypt obfuscated 1336

end 1337

enforce-first-as 1338

enhanced-error 1339

enrollment terminal 1340

epbr infra vlans 1341

epbr ip policy 1342

epbr ipv6 policy 1343

epbr l2 policy egress-interface 1344

epbr policy 1345

epbr policy 1346

epbr service-chain 1347

epbr service 1348

epbr service 1349

epbr session 1350

epbr session access-list refresh 1351

errdisable 1352

errdisable detect cause 1354

errdisable detect cause acl-exception 1355

errdisable port detect cause acl-exception 1356

errdisable recovery interval 1357

erspan-id 1358

erspan session-id all 1359
esi 1360
esi system-mac 1361
ethanalyzer 1362
ethanalyzer local 1363
ethernet-segment delay-restore time 1364
ethernet-segment vpc 1365
ethernet-tag encapsulation dot1q default static 1366
ethernet-tag encapsulation dot1q static 1367
ethernet-tag encapsulation vni default static 1368
ethernet-tag encapsulation vni static 1369
evb mac 1370
evb reinit-keep-alive 1371
evb resource-wait-delay 1372
event 1373
event 1374
event 1375
event 1376
event cli match 1377
event counter name entry-val entry-op 1378
event fanabsent time 1379
event fanbad time 1380
event fcns entries max-per-switch 1381
event flogi intf-max 1382
event flogi switch-max 1383
event gold module test testing-type scheduled consecutive-failure 1384
event manager applet 1385
event manager clear counter 1386
event manager clear history events 1387
event manager environment 1388
event manager policy 1389
event manager run 1390
event memory 1391
event module-failure type module count 1392

event module status module1 1393

event neighbor-discovery 1394

event none 1395

event oir fan 1396

event oir module 1397

event oir powersupply 1398

event policy-default disable 1399

event poweroverbudget 1400

event snmp oid get-type exact entry-op entry-val poll-interval 1401

event storm-control 1403

event syslog pattern 1404

event sysmgr memory major minor clear 1405

event sysmgr switchover count time 1406

event temperature threshold 1407

event test match 1408

event timer 1409

event track state 1410

event zone dbsize max-per-vsan 1411

event zone zonemembers max-per-switch 1412

event zone zones max-per-switch 1413

event zone zonesets max-per-switch 1414

events transport udp 1415

events transport udp 1416

evi 1417

evi 1418

evi auto 1419

evpn 1420

evpn esi multihoming 1421

evpn multihoming core-tracking 1422

evpn multisite border-gateway 1423

evpn multisite dcg-tracking 1424

evpn multisite fabric-tracking 1425

evpn storm-control level 1426

exclude-any 1427

exclude-any	1428
exclude access-list	1429
exec-timeout	1430
exec-timeout	1431
exit	1432
exit	1433
expiry-interval	1434
explicit-null	1435
explicit segment-list	1436
explicit segment-list	1437
export-gateway-ip	1438
export map	1439
export vrf allow-vpn	1440
export vrf default map	1441
exporter-bucket-id	1442
exporter-bucket-id	1443
exporter-id	1444
exporter-id	1445
exporter-id	1446
exporter	1447
exporter	1448
exporter	1449
exporter	1450
exporter	1451
exporter	1452
exporter	1453
extension-header	1454

CHAPTER 7**F Commands 1455**

fabric-advertise-pip l3	1462
fabric-binding activate vsan	1463
fabric-binding database copy vsan	1464
fabric-binding database diff active vsan	1465
fabric-binding database diff config vsan	1466

fabric-binding database vsan	1467
fabric-binding fip enable	1468
fabric-binding restart	1469
fabric-port-channel vhba-reset	1470
fabric-ready time	1471
fabric database auto-pull dci node-id	1472
fabric database auto-pull dci vrf node-id	1473
fabric database inherit-profile-map	1474
fabric database mobility-domain	1475
fabric database override-profile	1476
fabric database override-vrf-profile	1477
fabric database profile-map	1478
fabric database profile-map global	1479
fabric database refresh dot1q	1480
fabric database refresh vni	1481
fabric database static-host	1482
fabric database type bl-dci	1483
fabric database type cabling	1484
fabric database type host	1485
fabric database type network	1486
fabric database type partition	1487
fabric database type profile	1488
fabric forwarding admin-distance	1489
fabric forwarding anycast-gateway-mac	1490
fabric forwarding dup-host-ip-addr-detection	1491
fabric forwarding dup-host-recovery-timer recover-count	1492
fabric forwarding dup-host-unfreeze-timer unfreeze-count	1493
fabric forwarding limit-vlan-mac	1494
fabric forwarding mode anycast-gateway	1495
fabric forwarding mode anycast-gateway hybrid	1496
fabric forwarding selective-host-probe	1497
factory-reset factory-reset module	1498
factory-reset module all	1499
fast-convergence	1500

fast-external-falover	1501
fast-flood enable	1502
fast-flood interval	1503
fast-reload network-os	1504
fcalias clone vsan	1505
fcalias name vsan	1506
fcalias rename vsan	1507
fedomain abort vsan	1508
fedomain allowed vsan	1509
fedomain commit vsan	1510
fedomain contiguous-allocation vsan	1511
fedomain distribute	1512
fedomain domain	1513
fedomain fabric-name vsan	1514
fedomain fcid database	1515
fedomain fcid persistent vsan	1516
fedomain free-fcid	1517
fedomain optimize	1518
fedomain priority vsan	1519
fedomain rcf-reject vsan	1520
fedroplatency network	1521
fcid-allocation area company-id	1522
fcinterop fcid-allocation	1523
fcinterop loop-monitor	1524
fcoe	1525
fcoe	1526
fcoe enable-fex	1527
fcoe fcf-priority	1528
fcoe fcmapi	1529
fcoe fka-adv-period	1530
fcoe vloopback	1531
fcoe vsan	1532
fcping	1533
fcs plat-check-global vsan	1535

fes register	1536
fes virtual-device-add	1537
ftimer D_S_TOV	1538
ftimer E_D_TOV	1539
ftimer R_A_TOV	1540
ftimer abort	1541
ftimer commit	1542
ftimer distribute	1543
fctrace	1544
fctrace module	1545
fdmi suppress-updates vsan	1546
feature-set	1547
feature-set	1548
feature	1549
feature analytics	1550
feature app-hosting	1551
feature bash-shell	1552
feature bfd	1553
feature bgp	1554
feature container-tracker	1555
feature cryptopqc	1556
feature dhcp	1557
feature dot1x	1558
feature eigrp	1559
feature epbr	1560
feature evb	1561
feature evmed	1562
feature fabric forwarding	1563
feature flexlink	1564
feature fport-channel-trunk	1565
feature frequency-synchronization	1566
feature grpc	1567
feature grpctunnel	1568
feature hardware-telemetry	1569

feature hsrp	1570
feature imp	1571
feature interface-vlan	1572
feature intersight	1573
feature isis	1574
feature itd	1575
feature lacp	1576
feature ldap	1577
feature lldp	1578
feature macsec	1579
feature mdns	1580
feature mpls evpn	1581
feature mpls l3vpn	1582
feature mpls oam	1583
feature mpls segment-routing	1584
feature mpls segment-routing traffic-engineering	1585
feature mpls static	1586
feature msdp	1587
feature mvpn	1588
feature nat	1589
feature nbm	1590
feature netconf	1591
feature netflow	1592
feature ngmvpn	1593
feature ngoam	1594
feature ngoam	1595
feature npiv	1596
feature npiv	1597
feature ntp	1598
feature nv overlay	1599
feature nxapi	1600
feature nxsdk	1601
feature ofm	1602
feature openconfig	1603

feature ospf	1604
feature ospfv3	1605
feature password encryption aes	1606
feature pbr	1607
feature pim	1608
feature pim6	1609
feature pnp	1610
feature poap	1611
feature poe	1612
feature pong	1613
feature port-security	1614
feature private-vlan	1615
feature ptp	1616
feature restconf	1617
feature rip	1618
feature scheduler	1619
feature scp-server	1620
feature sflow	1621
feature sftp-server	1622
feature signature-verification	1623
feature sla responder	1624
feature sla sender	1625
feature sla twamp-server	1626
feature srv6	1627
feature ssh	1628
feature tacacs	1629
feature tap-aggregation	1630
feature telemetry	1631
feature telnet	1632
feature tunnel-encryption	1633
feature tunnel	1634
feature udlld	1635
feature vmtracker	1636
feature vn-segment-vlan-based	1637

feature vpc	1638
feature vrrp	1639
feature vrrpv3	1640
feature vtp	1641
fec	1642
fhrp delay minimum	1643
fhrp delay reload	1644
file-server	1645
filter	1646
filter	1647
filter	1648
filter access-group	1649
filter export-interval	1650
filter file	1651
filter ip	1652
filter ip access-list	1653
filter ip access-list	1654
filter ip access-list	1655
filter ipv6 access-group	1656
filter ipv6 access-list	1657
filter ipv6 access-list	1658
filter ipv6 access-list	1659
filter out	1660
filter tx control-packets	1661
filter vlan	1662
filter vlan include-untagged	1663
find	1664
fips mode enable	1665
flow-count	1666
flow-count	1667
flow-path-tracer	1668
flow collect tunnel-header	1669
flow collect tunnel-header	1670
flow collect tunnel-header	1671

flow event	1672
flow event	1673
flow exporter	1674
flow exporter	1675
flow exporter	1676
flow filter	1677
flow filter	1678
flow filter	1679
flow filter	1680
flow filter	1681
flow filter	1682
flow filter	1683
flow filter	1684
flow monitor	1685
flow monitor	1686
flow monitor	1687
flow policy	1688
flow profile	1689
flow profile	1690
flow record	1691
flow record	1692
flow record	1693
flow rtp history	1694
flow rtp timeout	1695
flow system config	1696
flow system config	1697
flow terminate interface	1698
flow timeout	1699
flow timeout	1700
flow traffic-analytics	1701
flowcontrol hardware	1702
flowcontrol receive	1703
flowlet-aging	1704
flush-routes	1705

flush-routes	1706
flush-routes	1707
flush-routes	1708
flush-routes	1709
flush-routes	1710
follow	1711
format	1712
format bootflash	1713
format bootflash check-filesystem	1714
format usb1	1715
forward	1716
fragments	1717
frequency	1718
frequency	1719
frequency milliseconds	1720
frequency synchronization	1721
frequency synchronization	1722
frequency synchronization	1723
from to	1724
from to	1725
fspf	1726
fspf config vsan	1727
fspf enable vsan	1728
fsync clock-identity	1729
fsync esmc peer receive timeout	1730
fsync quality itu-t option	1731
fsync transmit dnu lag-members	1732
fte event	1733
fte exporter	1734
fte monitor	1735
fte record	1736
fte system monitor	1737
fttrace	1738

CHAPTER 8**G Commands 1741**

- generate type7_encrypted_secret 1743
- geneve enable 1744
- geneve enable 1745
- global-block 1746
- global ingress-replication protocol bgp 1747
- global mcast-group L2 1748
- global suppress-arp 1749
- gnss-receiver sync 1750
- gps-input tod-format pps-input 1751
- gps-output pps-output tod-format 1752
- graceful-restart-helper 1753
- graceful-restart 1754
- graceful-restart 1755
- graceful-restart 1756
- graceful-restart 1757
- graceful-restart 1758
- graceful-restart 1759
- graceful-restart 1760
- graceful-restart grace-period 1761
- graceful-restart grace-period 1762
- graceful-restart helper-disable 1763
- graceful-restart helper-disable 1764
- graceful-restart planned-only 1765
- graceful-restart planned-only 1766
- graceful-restart restart-time 1767
- graceful-restart stalepath-time 1768
- graceful-restart t3 manual 1769
- graceful-restart t3 manual 1770
- graceful-restart t3 manual 1771
- graceful-shutdown activate 1772
- graceful-shutdown activate 1773
- graceful-shutdown aware 1774

graceful consistency-check	1775
grep	1776
grep	1777
grep	1778
group drop-events	1779
group drop-events	1780
group drop-events	1781
group latency-events	1782
group latency-events	1783
group latency-events	1784
group packet-events	1785
group packet-events	1786
grpc-async	1787
grpc deadline	1788
guest-ipaddress	1789
guest-ipv6address	1790
guestshell	1791
gunzip	1792
gzip	1793

CHAPTER 9
H Commands 1795

ha-policy single	1799
hardware-telemetry buffer-drop	1800
hardware-telemetry buffer-latency	1801
hardware-telemetry inband-telemetry	1802
hardware-telemetry int-clone-md	1803
hardware-telemetry postcard-telemetry	1804
hardware-telemetry sxx	1805
hardware N2232P slow-port-error-disable-time	1806
hardware N2232TM-E slow-port-error-disable-time	1807
hardware UCS2204XP slow-port-error-disable-time	1808
hardware UCS2208XP slow-port-error-disable-time	1809
hardware access-list lou resource threshold	1810
hardware access-list match inner-header	1811

hardware access-list tcam label egr-l2-qos 6	1812
hardware access-list tcam label ing-ifacl 6	1813
hardware access-list tcam label ing-qos optimize	1814
hardware access-list tcam label ing-racl 9	1815
hardware access-list tcam label vrf-nat	1816
hardware access-list tcam per-entry-stats template	1817
hardware access-list tcam region	1818
hardware access-list tcam region double-wide	1819
hardware access-list tcam region ing-flow-redirect	1820
hardware access-list tcam region qualify	1821
hardware access-list tcam region tcp-nat	1822
hardware ecmp hash-offset	1823
hardware ecmp hash-polynomial	1824
hardware ejector enable	1825
hardware fan-sprom	1826
hardware fan-zone raise-speed	1827
hardware flow-table analytics-netflow	1828
hardware flow-table collect-drop-reason	1829
hardware flow-table collect-drop-reason	1830
hardware forwarding ip statistics	1831
hardware forwarding l3 resource route non-deterministic	1832
hardware forwarding unicast trace	1833
hardware ip glean throttle	1834
hardware ip glean throttle maximum	1835
hardware ip glean throttle syslog	1836
hardware ip glean throttle timeout	1837
hardware ipv6 glean throttle	1838
hardware ipv6 glean throttle maximum	1839
hardware ipv6 glean throttle syslog	1840
hardware ipv6 glean throttle timeout	1841
hardware module boot-order reverse	1842
hardware multicast global-tx-span	1843
hardware profile buffer info poll-interval timer	1844
hardware profile buffer info port-threshold threshold	1845

hardware profile buffer info syslog-interval timer	1846
hardware profile buffer monitor unicast	1847
hardware profile buffer qosgroup threshold	1848
hardware profile buffer span-threshold	1849
hardware profile buffer stuck reset-reload lenient	1850
hardware profile counter-manager feature counter-scale	1851
hardware profile disable parse-err	1852
hardware profile dlb	1853
hardware profile dme load-interval	1854
hardware profile ecmp auto-recovery threshold	1855
hardware profile ecmp resilient	1856
hardware profile ecmp template module	1857
hardware profile flow-redirect forward-pdu	1858
hardware profile forwarding-mode warp	1859
hardware profile front portmode	1860
hardware profile gpe-5-timer enable	1861
hardware profile ipv6 alpm carve-value	1862
hardware profile ipv6 lpm-entries maximum	1863
hardware profile latency monitor	1864
hardware profile mdb module	1865
hardware profile module	1866
hardware profile mpls adjacency-stats bytes	1867
hardware profile mpls extended-ecmp	1868
hardware profile multicast flex-stats-enable	1869
hardware profile multicast max-limit	1870
hardware profile multicast max-limit lpm-entries	1871
hardware profile multicast nlb	1872
hardware profile multicast nlb Port-Channel	1873
hardware profile multicast optimization disable	1874
hardware profile multicast rpf-check-optimization	1875
hardware profile multicast service-reflect port	1876
hardware profile multicast slow-receiver port	1877
hardware profile multicast stats-disable	1878
hardware profile multicast syslog-threshold	1879

hardware profile npu power	1880
hardware profile packet-drop	1881
hardware profile pbr ecmp paths	1882
hardware profile pbr next-hop fast-convergence	1883
hardware profile pbr skip-selfip	1884
hardware profile pfc mmu buffer-reservation	1885
hardware profile portmode	1886
hardware profile racl priority toggle	1887
hardware profile statistics pstat	1888
hardware profile sub-interface flex-stats l3	1889
hardware profile svi-and-si flex-stats-enable	1890
hardware profile svi flex-stats-enable	1891
hardware profile tcam ipv6-sup-tcam match-inner	1892
hardware profile tcam mcast racl-bridge	1893
hardware profile tcam region	1894
hardware profile tcam region span qualify udf	1895
hardware profile tcam region spanv6-l2 qualify udf	1896
hardware profile tcam region spanv6 qualify udf	1897
hardware profile tcam resource service-template	1898
hardware profile tcam resource template	1899
hardware profile ucast6 lpm-65-to-127-max-limit	1900
hardware profile ucast6 max-limit	1901
hardware profile unicast enable-host-ecmp	1902
hardware profile unicast syslog-threshold	1903
hardware qos dynamic-buffer-sharing	1904
hardware qos fc rate-shaper	1905
hardware qos pfc mc-drop	1906
hardware sample-redirect module redirect-interface	1907
hardware switch-id	1908
hash-mode gtp	1909
head	1910
header-type 2	1911
hello-interval	1912
hello-interval	1913

hello-interval	1914
history	1915
history	1916
history	1917
history	1918
history	1919
history	1920
hold-down threshold count	1921
hold-down threshold count	1922
holdtime	1923
hop-limit maximum	1924
hop-limit minimum	1925
hop	1926
host-reachability protocol	1927
host-reachability protocol controller	1928
host	1929
host group permit	1930
host group permit	1931
host port	1932
host source group permit	1933
host source group permit	1934
hostname	1935
hostname dynamic	1936
hostname dynamic	1937
hostname dynamic	1938
hsrp	1939
hsrp anycast	1940
hsrp bfd	1941
hsrp bfd all-interfaces	1942
hsrp delay minimum	1943
hsrp force state vlan	1944
hsrp ipv6	1945
hsrp mac-refresh	1946
hsrp timers extended-hold	1947

hsrp use-bia	1948
hsrp version 1	1949
http get	1950
http proxy server	1951
human	1952
human	1953
hw-module logging onboard	1954
hw-module logging onboard	1955

CHAPTER 10
I Commands 1957

icmp-echo	1974
id	1975
id	1976
ignore routable	1977
import	1978
import interface	1979
import l2vpn evpn	1980
import map	1981
import running-config	1982
import vpn unicast	1983
import vrf advertise-vpn	1984
import vrf default map	1985
in-label allocate	1986
inband-telemetry exporter	1987
inband-telemetry flow-profile	1988
inband-telemetry monitor	1989
inband-telemetry queue-profile	1990
inband-telemetry record	1991
inband-telemetry system monitor	1992
inband-telemetry watchlist ip	1993
include-all	1994
include-all	1995
include-any	1996
include-any	1997

[include-icv-indicator](#) 1998

[include-sci](#) 1999

[include-tcp-options](#) 2000

[include profile](#) 2001

[include profile any](#) 2002

[index-limit](#) 2003

[index-limit](#) 2004

[index](#) 2005

[ingress-client query-reply](#) 2006

[ingress-client query-suppression](#) 2007

[ingress-client query-suppression packet-gap](#) 2008

[ingress-mtu](#) 2009

[ingress-replication protocol bgp](#) 2010

[ingress-replication protocol static](#) 2011

[ingress interface](#) 2012

[inherit peer-policy](#) 2013

[inherit peer-policy](#) 2014

[inherit peer-session](#) 2015

[inherit peer](#) 2016

[inherit port-profile](#) 2017

[initial-delay](#) 2018

[initial-refresh skip](#) 2019

[inject-map exist-map](#) 2020

[innoshell](#) 2021

[innoshell cmd](#) 2022

[innoshell module](#) 2023

[innoshell module cmd](#) 2024

[install](#) 2025

[install activate](#) 2027

[install add](#) 2028

[install all network-os](#) 2029

[install commit](#) 2030

[install deactivate](#) 2031

[install epld](#) 2032

install feature-set fcoe-npv	2033
install feature-set fcoe	2034
install feature-set mpls	2035
install feature-set virtualization	2036
install license	2037
install remove	2038
install reset	2039
install verify	2040
instance-id	2041
instance	2042
instance	2043
instance vlan	2044
int-clone-md probe-marker	2045
int-clone-md sink collector	2046
int-clone-md sink monitor	2047
int-clone-md sink record	2048
int-clone-md source monitor	2049
int-clone-md source record	2050
int-clone-md system sink monitor	2051
int-clone-md system source monitor	2052
interface	2053
interface	2054
interface	2055
interface	2056
interface	2057
interface	2058
interface	2059
interface	2060
interface	2061
interface	2062
interface	2063
interface	2064
interface	2065
interface	2066

interface	2067
interface	2068
interface	2069
interface	2070
interface	2071
interface	2072
interface breakout-profile	2073
interface breakout module	2074
interface breakout module	2075
interface breakout module port	2076
interface breakout module port map	2077
interop-enable	2078
intersight cnmi	2079
intersight device-connector unclaim	2080
intersight inventory	2081
intersight proxy	2082
intersight source-interface	2083
intersight trustpoint	2084
intersight use-vrf	2085
interval	2086
interval	2087
interval interval	2088
ip	2089
ip	2090
ip	2091
ip	2092
ip	2093
ip	2094
ip	2095
ip	2096
ip access-class	2097
ip access-group	2098
ip access-list	2099
ip access-list match-local-traffic	2100

ip address	2101
ip address	2102
ip address	2103
ip address dhcp	2104
ip address ipv6 address port	2105
ip address secondary	2106
ip adjacency route distance	2107
ip amt anycast-relay-prefix	2108
ip amt gateway	2109
ip amt join-policy	2110
ip amt qqic	2111
ip amt relay-advertisement-address	2112
ip amt relay	2113
ip amt state-limit	2114
ip amt tunnel-limit	2115
ip arp	2116
ip arp allow-static-arp-outside-subnet	2117
ip arp cache intf-limit	2118
ip arp cache intf-limit	2119
ip arp cache limit	2120
ip arp cos	2121
ip arp delete	2122
ip arp evpn timeout	2123
ip arp gratuitous hsrp duplicate	2124
ip arp gratuitous request	2125
ip arp gratuitous update	2126
ip arp inspection filter vlan	2127
ip arp inspection log-buffer entries	2128
ip arp inspection trust	2129
ip arp inspection validate	2130
ip arp inspection vlan	2131
ip arp off-list timeout	2132
ip arp outside-subnet	2133
ip arp outside-subnet	2134

ip arp rarp fabric-forwarding	2135
ip arp rarp fabric-forwarding rate-limit	2136
ip arp suppression-cache	2137
ip arp suppression timeout	2138
ip arp synchronize	2139
ip arp timeout	2140
ip arp timeout	2141
ip arp unnum-svi-dup-ip-detection	2142
ip arp unnum-svi-sw-replication	2143
ip as-path access-list deny	2144
ip as-path access-list seq deny	2145
ip authentication key-chain eigrp	2146
ip authentication mode eigrp md5	2147
ip auto-discard	2148
ip bandwidth-percent eigrp	2149
ip bandwidth eigrp	2150
ip community-list expanded deny	2151
ip community-list expanded seq deny	2152
ip delay eigrp	2153
ip destination	2154
ip dhcp option82 suboption circuit-id	2155
ip dhcp packet strict-validation	2156
ip dhcp relay	2157
ip dhcp relay address	2158
ip dhcp relay dai	2159
ip dhcp relay information option	2160
ip dhcp relay information option server-id-override-disable	2161
ip dhcp relay information option trust	2162
ip dhcp relay information option vpn	2163
ip dhcp relay information trust-all	2164
ip dhcp relay information trusted	2165
ip dhcp relay source	2166
ip dhcp relay sub-option circuit-id customized	2167
ip dhcp relay sub-option circuit-id format-type string	2168

ip dhcp relay sub-option format non-tlv	2169
ip dhcp relay sub-option type cisco	2170
ip dhcp relay subnet-selection	2171
ip dhcp smart-relay	2172
ip dhcp smart-relay global	2173
ip dhcp snooping	2174
ip dhcp snooping information option	2175
ip dhcp snooping ipsg-excluded vlan	2176
ip dhcp snooping sub-option circuit-id format-type string	2177
ip dhcp snooping sub-option format non-tlv	2178
ip dhcp snooping trust	2179
ip dhcp snooping verify mac-address	2180
ip dhcp snooping vlan	2181
ip directed-broadcast	2182
ip distribute-list eigrp	2183
ip dns source-interface	2184
ip domain-list	2185
ip domain-lookup	2186
ip domain-name	2187
ip drop-glean	2188
ip dscp-lop	2189
ip dscp	2190
ip eigrp bfd	2191
ip eigrp shutdown	2192
ip extcommunity-list expanded seq deny	2193
ip extcommunity-list standard seq permit 4byteas-generic transitive	2194
ip flow monitor input	2196
ip flow monitor input	2197
ip flow monitor input	2198
ip flow monitor input	2199
ip flow rtp	2200
ip forward	2201
ip ftp source-interface	2202
ip hello-interval eigrp	2203

ip hold-time eigrp	2204
ip host	2205
ip http source-interface	2206
ip icmp-errors source-interface	2207
ip igmp any-query-destination	2208
ip igmp enforce-router-alert	2209
ip igmp flush-routes	2210
ip igmp group-timeout	2211
ip igmp heavy-template	2212
ip igmp host-proxy	2213
ip igmp immediate-leave	2214
ip igmp join-group	2215
ip igmp last-member-query-count	2216
ip igmp last-member-query-response-time	2217
ip igmp querier-elect strict	2218
ip igmp querier	2219
ip igmp query-interval	2220
ip igmp query-max-response-time	2221
ip igmp report-link-local-groups	2222
ip igmp report prefix-list	2223
ip igmp robustness-variable	2224
ip igmp snooping	2225
ip igmp snooping	2226
ip igmp snooping access-group	2227
ip igmp snooping disable-nve-static-router-port	2228
ip igmp snooping disable-nve-static-router-port	2229
ip igmp snooping explicit-tracking	2230
ip igmp snooping fast-leave	2231
ip igmp snooping group-timeout	2232
ip igmp snooping group-timeout	2233
ip igmp snooping last-member-query-interval	2234
ip igmp snooping link-local-groups-suppression	2235
ip igmp snooping link-local-groups-suppression	2236
ip igmp snooping many-to-one-enhance	2237

ip igmp snooping max-gq-miss	2238
ip igmp snooping mrouter interface	2239
ip igmp snooping mrouter vpc-peer-link	2240
ip igmp snooping optimise-multicast-flood	2241
ip igmp snooping proxy-leave use-group-address	2242
ip igmp snooping proxy general-queries	2243
ip igmp snooping proxy general-queries	2244
ip igmp snooping querier-timeout	2245
ip igmp snooping querier	2246
ip igmp snooping query-interval	2247
ip igmp snooping query-max-response-time	2248
ip igmp snooping query flood	2249
ip igmp snooping query flood	2250
ip igmp snooping report-flood all	2251
ip igmp snooping report-suppression	2252
ip igmp snooping report-suppression	2253
ip igmp snooping report prefix interface	2254
ip igmp snooping robustness-variable	2255
ip igmp snooping startup-query-count	2256
ip igmp snooping startup-query-interval	2257
ip igmp snooping static-group interface	2258
ip igmp snooping syslog-threshold	2259
ip igmp snooping v3-report-suppression	2260
ip igmp snooping v3-report-suppression	2261
ip igmp snooping version	2262
ip igmp snooping vxlan-umc drop	2263
ip igmp snooping vxlan	2264
ip igmp spoof-check	2265
ip igmp ssm-translate	2266
ip igmp startup-query-count	2267
ip igmp startup-query-interval	2268
ip igmp state-limit	2269
ip igmp suppress v3-gsq	2270
ip igmp syslog-threshold	2271

ip igmp version	2272
ip large-community-list expanded seq deny	2273
ip large-community-list standard seq permit	2274
ip lisp alt-vrf	2275
ip lisp database-mapping dynamic priority weight	2276
ip lisp etr	2277
ip lisp etr accept-map-request-mapping	2278
ip lisp etr glean-mapping	2279
ip lisp etr map-cache-ttl	2280
ip lisp etr map-register-ttl	2281
ip lisp etr map-server key	2282
ip lisp hardware-forwarding	2283
ip lisp itr-etr	2284
ip lisp itr	2285
ip lisp itr map-resolver	2286
ip lisp itr send-data-probe	2287
ip lisp locator-vrf	2288
ip lisp map-cache-limit	2289
ip lisp map-cache drop native-forward map-request priority weight	2290
ip lisp map-request-source	2291
ip lisp map-resolver	2292
ip lisp map-server	2293
ip lisp multicast	2294
ip lisp nat-traversal	2295
ip lisp ntr	2296
ip lisp proxy-etr	2297
ip lisp proxy-itr	2298
ip lisp shortest-eid-prefix-length	2299
ip lisp source-locator	2300
ip lisp translate inside outside	2301
ip lisp use-bgp-locators	2302
ip lisp use-petr priority weight	2303
ip load-sharing address	2304
ip local-proxy-arp	2306

ip local policy route-map	2307
ip mfwd mstatic register	2308
ip mroute	2309
ip msdp description	2310
ip msdp flush-routes	2311
ip msdp group-limit source	2312
ip msdp keepalive	2313
ip msdp keychain	2314
ip msdp mesh-group	2315
ip msdp originator-id	2316
ip msdp password	2317
ip msdp peer connect-source	2318
ip msdp reconnect-interval	2319
ip msdp redistribute	2320
ip msdp sa-interval	2321
ip msdp sa-limit	2322
ip msdp sa-policy in	2323
ip msdp sa-policy out	2324
ip msdp shutdown	2325
ip mtu eigrp	2326
ip multicast group-range prefix-list	2327
ip multicast multipath	2328
ip multicast multipath resilient	2329
ip multicast overlay-distributed-dr	2330
ip multicast overlay-spt-only	2331
ip multicast rpf select vrf group-list	2332
ip name-server	2333
ip nat inside	2335
ip nat inside source	2336
ip nat outside source	2338
ip nat pool netmask	2340
ip nat pool netmask	2341
ip nat translation	2342
ip nat translation creation-delay	2343

ip nat translation max-entries	2344
ip nat translation sampling-timeout	2345
ip next-hop-self eigrp	2346
ip offset-list eigrp	2347
ip ospf advertise-subnet	2348
ip ospf authentication-key	2349
ip ospf authentication	2350
ip ospf authentication key-chain	2351
ip ospf bfd	2352
ip ospf cost	2353
ip ospf dead-interval	2354
ip ospf hello-interval	2355
ip ospf message-digest-key md5	2356
ip ospf mtu-ignore	2357
ip ospf network broadcast	2358
ip ospf network point-to-point	2359
ip ospf passive-interface	2360
ip ospf prefix-attributes n-flag-clear	2361
ip ospf priority	2362
ip ospf retransmit-interval	2363
ip ospf shutdown	2364
ip ospf transmit-delay	2365
ip passive-interface eigrp	2366
ip pim allow-rp	2367
ip pim anycast-rp	2368
ip pim assert-rate-limit	2369
ip pim auto-enable	2370
ip pim auto-rp listen	2371
ip pim auto-rp mapping-agent-policy	2372
ip pim auto-rp mapping-agent send-rp-discovery	2373
ip pim auto-rp rp-candidate-policy	2374
ip pim auto-rp rp-candidate send-rp-announce group-list route-map prefix-list	2375
ip pim bfd-instance	2376
ip pim bfd	2377

ip pim bidir-rp-limit	2378
ip pim border-router	2379
ip pim border	2380
ip pim bsr-candidate	2381
ip pim bsr bsr-policy	2382
ip pim bsr listen	2383
ip pim bsr rp-candidate-policy	2384
ip pim dr-delay	2385
ip pim dr-priority	2386
ip pim evpn-border-leaf	2387
ip pim extranet	2388
ip pim flush-routes	2389
ip pim group-list	2390
ip pim hello-authentication ah-md5	2391
ip pim hello-authentication keychain	2392
ip pim hello-interval	2393
ip pim isolate	2394
ip pim jp-policy	2395
ip pim log-neighbor-changes	2396
ip pim mtu	2397
ip pim neighbor-policy prefix-list	2398
ip pim passive	2399
ip pim pfm-sd announcement gap	2400
ip pim pfm-sd announcement interval	2401
ip pim pfm-sd announcement rate	2402
ip pim pfm-sd boundary	2403
ip pim pfm-sd gsh holdtime	2404
ip pim pfm-sd originator-id	2405
ip pim pfm-sd range	2406
ip pim pre-build-spt	2407
ip pim register-packing	2408
ip pim register-policy	2409
ip pim register-rate-limit	2410
ip pim register-source	2411

ip pim register-until-stop	2412
ip pim rp-address	2413
ip pim rp-candidate group-list route-map prefix-list	2414
ip pim sg-expiry-timer infinity	2415
ip pim sparse-mode	2416
ip pim spt-switch-graceful	2417
ip pim ssm	2418
ip pim state-limit	2419
ip pim strict-rfc-compliant	2420
ip pim strict-rfc-compliant	2421
ip ping source-interface	2422
ip policy route-map	2423
ip port-unreachable	2424
ip port access-group	2425
ip port access-group	2426
ip pps threshold unicast-forward	2427
ip prefix-list description	2428
ip prefix-list permit	2429
ip proxy-arp	2430
ip radius source-interface	2431
ip redirect syslog	2432
ip redirects	2433
ip rip authentication key-chain	2434
ip rip authentication mode text	2435
ip rip poison-reverse	2436
ip rip route-filter route in	2437
ip route	2438
ip route static bfd	2439
ip router eigrp	2440
ip router isis	2441
ip router ospf area	2442
ip router ospf multi-area	2443
ip router rip	2444
ip routing multicast holddown	2445

ip routing multicast mfdm-buffer-route-count	2446
ip routing multicast software-replicate	2447
ip secondary	2448
ip service-reflect destination to mask-len source	2449
ip service-reflect mode ingress	2450
ip service-reflect mode regular	2451
ip service-reflect source-interface	2452
ip sla	2453
ip sla	2454
ip sla group schedule	2455
ip sla group schedule add	2457
ip sla group schedule delete	2458
ip sla group schedule reschedule	2459
ip sla logging traps	2460
ip sla reaction-configuration react	2461
ip sla reaction-trigger	2462
ip sla reset	2463
ip sla responder	2464
ip sla responder twamp	2465
ip sla restart	2466
ip sla schedule	2467
ip sla server twamp	2469
ip source-route	2470
ip source binding vlan interface	2471
ip split-horizon eigrp	2472
ip ssh source-interface	2473
ip summary-address eigrp ipv6 summary-address eigrp	2474
ip tacacs source-interface	2475
ip tcp mss	2476
ip tcp path-mtu-discovery	2477
ip tcp synwait-time	2478
ip telnet source-interface	2479
ip tftp source-interface	2480
ip traceroute source-interface	2481

ip ttl	2482
ip udp relay addrgroup	2483
ip unnumbered	2484
ip unreachable	2485
ip verify source dhcp-snooping-vlan	2486
ip verify unicast source reachable-via rx	2487
ipv4	2488
ipv4	2489
ipv6	2490
ipv6	2491
ipv6 access-class	2492
ipv6 access-list	2493
ipv6 access-list match-local-traffic	2494
ipv6 address	2495
ipv6 address	2496
ipv6 address dhcp	2497
ipv6 address use-link-local-only	2498
ipv6 adjacency-stale-timer	2499
ipv6 adjacency route distance	2500
ipv6 amt gateway	2501
ipv6 amt relay	2502
ipv6 destination	2503
ipv6 dhcp guard	2504
ipv6 dhcp guard	2505
ipv6 dhcp guard policy	2506
ipv6 dhcp relay	2507
ipv6 dhcp relay address	2508
ipv6 dhcp relay address ipv6 dhcp relay address	2509
ipv6 dhcp relay option79	2510
ipv6 dhcp relay option type cisco	2511
ipv6 dhcp relay option vpn	2512
ipv6 dhcp relay prefix-delegation route	2513
ipv6 dhcp relay source-interface	2514
ipv6 dhcp relay source-interface	2515

ipv6 dhcp smart-relay	2516
ipv6 dhcp smart-relay global	2517
ipv6 flow monitor input	2518
ipv6 flow monitor input	2519
ipv6 flow monitor input	2520
ipv6 flow monitor input	2521
ipv6 flow rtp	2522
ipv6 forward	2523
ipv6 host	2524
ipv6 link-local	2525
ipv6 link-local use-bia	2526
ipv6 local policy route-map	2527
ipv6 mld group-timeout	2528
ipv6 mld immediate-leave	2529
ipv6 mld join-group	2530
ipv6 mld last-member-query-count	2531
ipv6 mld last-member-query-response-time	2532
ipv6 mld querier	2533
ipv6 mld query-interval	2534
ipv6 mld query-max-response-time	2535
ipv6 mld report-link-local-groups	2536
ipv6 mld report	2537
ipv6 mld robustness-variable	2538
ipv6 mld snooping	2539
ipv6 mld snooping	2540
ipv6 mld snooping access-group	2541
ipv6 mld snooping disable-nve-static-router-port	2542
ipv6 mld snooping disable-nve-static-router-port	2543
ipv6 mld snooping explicit-tracking	2544
ipv6 mld snooping fast-leave	2545
ipv6 mld snooping group-timeout	2546
ipv6 mld snooping group-timeout	2547
ipv6 mld snooping last-member-query-interval	2548
ipv6 mld snooping link-local-groups-suppression	2549

ipv6 mld snooping link-local-groups-suppression	2550
ipv6 mld snooping many-to-one-enhance	2551
ipv6 mld snooping max-gq-miss	2552
ipv6 mld snooping mrouter interface	2553
ipv6 mld snooping mrouter vpc-peer-link	2554
ipv6 mld snooping optimise-multicast-flood	2555
ipv6 mld snooping proxy-leave use-group-address	2556
ipv6 mld snooping proxy general-queries	2557
ipv6 mld snooping proxy general-queries	2558
ipv6 mld snooping querier-timeout	2559
ipv6 mld snooping querier	2560
ipv6 mld snooping query-interval	2561
ipv6 mld snooping query-max-response-time	2562
ipv6 mld snooping report-flood all	2563
ipv6 mld snooping report-suppression	2564
ipv6 mld snooping report-suppression	2565
ipv6 mld snooping report prefix interface	2566
ipv6 mld snooping robustness-variable	2567
ipv6 mld snooping startup-query-count	2568
ipv6 mld snooping startup-query-interval	2569
ipv6 mld snooping static-group interface	2570
ipv6 mld snooping syslog-threshold	2571
ipv6 mld snooping v2-report-suppression	2572
ipv6 mld snooping v2-report-suppression	2573
ipv6 mld snooping version	2574
ipv6 mld snooping vxlan-umc drop	2575
ipv6 mld snooping vxlan	2576
ipv6 mld ssm-translate	2577
ipv6 mld startup-query-count	2578
ipv6 mld startup-query-interval	2579
ipv6 mld state-limit	2580
ipv6 mld syslog-threshold	2581
ipv6 mld version	2582
ipv6 multicast group-range prefix-list	2583

ipv6 multicast multipath	2584
ipv6 multicast multipath resilient	2585
ipv6 nd cache limit	2586
ipv6 nd dad attempts	2587
ipv6 nd dadns-discover	2588
ipv6 nd delete-adj-on-mac-delete	2589
ipv6 nd drop-fragments	2590
ipv6 nd hop-limit	2591
ipv6 nd local-proxy no-hw-flooding	2592
ipv6 nd local-proxy no-hw-flooding	2593
ipv6 nd mac-extract	2594
ipv6 nd managed-config-flag	2595
ipv6 nd mtu	2596
ipv6 nd ns-interval	2597
ipv6 nd off-list timeout	2598
ipv6 nd other-config-flag	2599
ipv6 nd prefix	2600
ipv6 nd prefix default	2601
ipv6 nd ra-interval	2602
ipv6 nd ra-lifetime	2603
ipv6 nd ra bootfile-url	2604
ipv6 nd ra dns search-list sequence	2605
ipv6 nd ra dns search-list suppress	2606
ipv6 nd ra dns server sequence	2607
ipv6 nd ra dns server suppress	2608
ipv6 nd ra route suppress	2609
ipv6 nd rguard	2610
ipv6 nd rguard	2611
ipv6 nd rguard attach-policy	2612
ipv6 nd rguard policy	2613
ipv6 nd reachable-time	2614
ipv6 nd retrans-timer	2615
ipv6 nd route route-preference High Low Medium infinite	2616
ipv6 nd router-preference High Low Medium	2617

ipv6 nd solicit-na accept	2618
ipv6 nd suppress-ra	2619
ipv6 nd synchronize	2620
ipv6 neighbor	2621
ipv6 neighbor allow-static-neighbor-outside-subnet	2622
ipv6 neighbor binding	2623
ipv6 neighbor binding	2624
ipv6 neighbor binding logging	2625
ipv6 neighbor binding max-entries	2626
ipv6 neighbor tracking	2627
ipv6 pim allow-rp	2628
ipv6 pim anycast-rp	2629
ipv6 pim assert-rate-limit	2630
ipv6 pim bidir-rp-limit	2631
ipv6 pim border-router	2632
ipv6 pim border	2633
ipv6 pim dr-priority	2634
ipv6 pim evpn-border-leaf	2635
ipv6 pim flush-routes	2636
ipv6 pim hello-interval	2637
ipv6 pim isolate	2638
ipv6 pim log-neighbor-changes	2639
ipv6 pim mtu	2640
ipv6 pim passive	2641
ipv6 pim register-rate-limit	2642
ipv6 pim rp-address	2643
ipv6 pim sparse-mode	2644
ipv6 pim spt-switch-graceful	2645
ipv6 pim state-limit	2646
ipv6 policy route-map	2647
ipv6 port traffic-filter	2648
ipv6 prefix-list description	2649
ipv6 prefix-list permit	2650
ipv6 queue-packets	2651

ipv6 redirect syslog	2652
ipv6 redirects	2653
ipv6 route	2654
ipv6 route static bfd	2655
ipv6 router isis	2656
ipv6 router ospfv3 area	2657
ipv6 router ospfv3 multi-area	2658
ipv6 routing multicast holddown	2659
ipv6 routing multicast mfdm-buffer-route-count	2660
ipv6 routing multicast software-replicate	2661
ipv6 snooping	2662
ipv6 snooping	2663
ipv6 snooping policy	2664
ipv6 snooping unit-test bt-add vlan	2665
ipv6 switch-packets	2666
ipv6 traffic-filter	2667
ipv6 unreachable	2668
ipv6 verify unicast source reachable-via rx	2669
is-type	2670
ishow cli find nodes	2671
ishow cli modes	2672
ishow cli nodes	2673
ishow cli paths	2674
ishow cli tags	2675
ishow core backtrace	2676
isis authentication-check	2677
isis authentication-check level-1	2678
isis authentication-check level-2	2679
isis authentication-type cleartext	2680
isis authentication-type cleartext level-1	2681
isis authentication-type cleartext level-2	2682
isis authentication key-chain	2683
isis authentication key-chain level-1	2684
isis authentication key-chain level-2	2685

isis bfd	2686
isis circuit-type	2687
isis csnp-interval level	2688
isis hello-interval	2689
isis hello-interval level	2690
isis hello-multiplier	2691
isis hello-multiplier level	2692
isis hello-padding	2693
isis ipv6 bfd	2694
isis lsp-interval	2695
isis mesh-group	2696
isis metric level-1	2697
isis metric level-2	2698
isis mtu-check	2699
isis mtu-check level-1	2700
isis mtu-check level-2	2701
isis network point-to-point	2702
isis passive-interface	2703
isis prefix-attributes n-flag-clear	2704
isis priority level	2705
isis retransmit-interval	2706
isis retransmit-throttle-interval	2707
isis shutdown	2708
isis suppressed	2709
isolate	2710
isolate	2711
isolate	2712
isolate	2713
isolate	2714
isolate	2715
itd	2716
itd device-group	2717
itd port-group	2718
itd session access-list refresh	2719

itd session device-group 2720

itd statistics 2721

itu channel 2722

CHAPTER 11

J Commands 2723

job name 2724

json-pretty 2725

json-pretty 2726

json 2727

json 2728

CHAPTER 12

K Commands 2729

key-chain macsec-psk no-show 2730

key-chain tunnelencrypt-psk no-show 2731

key-octet-string 6 cryptographic-algorithm AES_128_CMAC 2732

key-octet-string 6 cryptographic-algorithm AES_256_CMAC 2733

key-octet-string 7 cryptographic-algorithm AES_128_CMAC 2734

key-octet-string 7 cryptographic-algorithm AES_128_CMAC 2735

key-octet-string 7 cryptographic-algorithm AES_256_CMAC 2736

key-octet-string 7 cryptographic-algorithm AES_256_CMAC 2737

key-octet-string cryptographic-algorithm AES_128_CMAC 2738

key-octet-string cryptographic-algorithm AES_128_CMAC 2739

key-octet-string cryptographic-algorithm AES_256_CMAC 2740

key-octet-string cryptographic-algorithm AES_256_CMAC 2741

key-server-priority 2742

key-string 2743

key-string 2744

key-string 6 2745

key-string 6 2746

key-string 7 2747

key-string 7 2748

key 2749

key 2750

key 2751

key 2752
 key chain 2753
 key chain macsec 2754
 key chain tcp 2755
 key chain tunnel-encryption 2756
 keychain 2757
 kill background 2758
 kme server 2759
 kubernetes server ip-address port 2760
 kvfib file 2761

CHAPTER 13
L Commands 2763

l2rib dup-host-mac-detection 2772
 l2rib dup-host-mac-recovery 2773
 l3 ethernet port 2774
 l3 port-channel port 2775
 label-allocation-mode per-vrf 2776
 label allocate global 2777
 lacp graceful-convergence 2778
 lacp max-bundle 2779
 lacp min-links 2780
 lacp mode delay 2781
 lacp mode delay 2782
 lacp port-number front-panel 2783
 lacp port-priority 2784
 lacp rate 2785
 lacp rate 2786
 lacp suspend-individual 2787
 lacp system-mac 2788
 lacp system-priority 2789
 lacp vpc-convergence 2790
 last 2791
 latency 2792
 latency 2793

latency quantization	2794
latency quantization	2795
layer-2 multicast lookup mac	2796
layer2-switched flow monitor input	2797
layer2-switched flow monitor input	2798
layer3 peer-router	2799
layer3 peer-router syslog	2800
lnd push_to_klm address port vlan	2801
ldap-search-map	2802
ldap-search-map	2803
ldap-server deadtime	2804
ldap-server host	2805
ldap-server host test rootDN	2806
ldap-server timeout	2807
ldap search-map	2808
less	2809
license smart clear eventlog	2810
license smart custom_id	2811
license smart factory reset	2812
license smart import	2813
license smart privacy	2814
license smart proxy address	2815
license smart save	2816
license smart source-interface	2817
license smart sync local	2818
license smart transport	2819
license smart trust idtoken local	2820
license smart url smart	2821
license smart usage interval	2822
license smart vrf	2823
limit-resource module-type	2824
limit-resource monitor-session-erspan-dst minimum maximum equal-to-min	2825
limit-resource monitor-session-inband-src minimum maximum equal-to-min	2826
limit-resource monitor-session minimum maximum equal-to-min	2827

limit-resource port-channel minimum maximum	2828
limit-resource vlan minimum maximum equal-to-min	2829
limit-resource vrf minimum maximum equal-to-min	2830
limit address-count	2831
line console	2832
line console	2833
line vty	2834
link-bandwidth cumulative	2835
link-flap error-disable count interval	2836
link-level-flow-control watch-dog-interval on	2837
link-state-trap	2838
link active-jitter-management	2839
link debounce	2840
link dfe adaptive-tuning	2841
link loopback	2842
link mac-up timer	2843
link max-bringup timer	2844
link transmit reset-skip	2845
lisp	2846
lisp ddt	2847
lisp ddt authoritative-prefix eid-prefix	2848
lisp ddt delegate eid-prefix	2849
lisp ddt map-server-peer eid-prefix	2850
lisp ddt root	2851
lisp dynamic-eid	2852
lisp dynamic-eid	2853
lisp explicit-locator-path	2854
lisp explicit-locator-path	2855
lisp extended-subnet-mode	2856
lisp geo-coordinates	2857
lisp instance-id	2858
lisp loc-reach-algorithm	2859
lisp merge-registrations site-id	2860
lisp mobility	2861

lisp mobility test-liveness	2862
lisp security	2863
lisp site	2864
lisp site	2865
lisp smr-locators	2866
lisp to	2867
listobject-boolean not	2868
listobject-weight weight threshold-weight	2869
listobject	2870
liveness-detection	2871
liveness-detection	2872
liveness-detection	2873
lldp	2874
lldp dcbx version auto	2876
lldp dcbx version cee	2877
lldp receive	2878
lldp tlv-select dcbxp egress	2879
lldp tlv-select management-address v4	2880
lldp tlv-set management-address	2881
lldp tlv-set management-address ipv6	2882
lldp tlv-set vlan	2883
lldp transmit	2884
load-balance	2885
load-balance	2886
load-balance	2887
load-balance egress filter-policy route-map	2888
load-balance egress multipath auto-policy route-map	2889
load-balance method	2890
load-interval	2891
load-interval	2892
load-interval counter	2893
load-interval counter	2894
load	2895
load	2896

load	2897
load configuration failed commit	2898
local-as	2899
local-as	2900
local-label prefix	2901
local-label prefix	2902
locator-led	2903
locator	2904
locator	2905
locator	2906
locator	2907
locators	2908
locators	2909
lockdown	2910
lockdown	2911
log-adjacency-changes	2912
log-adjacency-changes	2913
log-adjacency-changes	2914
log-adjacency-changes	2915
log-adjacency-changes	2916
log-neighbor-changes	2917
log-neighbor-changes	2918
log-neighbor-warnings	2919
logging	2920
logging abort	2921
logging console	2922
logging distribute	2923
logging drop threshold	2924
logging drop threshold	2925
logging event link enable	2926
logging event port link-status	2927
logging event port link-status	2928
logging event port link-status	2929
logging event port link-status default	2930

logging event port trunk-status	2931
logging event port trunk-status	2932
logging event port trunk-status default	2933
logging history	2934
logging level	2935
logging level	2937
logging level	2938
logging level	2939
logging level aaa	2940
logging level acl	2941
logging level aclmgr	2942
logging level adbm	2943
logging level adjmgr	2944
logging level all	2945
logging level amt	2946
logging level app-hosting	2947
logging level arp	2948
logging level ascii-cfg	2949
logging level assoc_mgr	2950
logging level backup	2951
logging level bfd	2952
logging level bgp	2953
logging level bloggerd	2954
logging level bootvar	2955
logging level callhome	2956
logging level capability	2957
logging level cdp	2958
logging level cfs	2959
logging level clis	2960
logging level clk_mgr	2961
logging level confcheck	2962
logging level copp	2963
logging level core-dmon	2964
logging level cryptopqc	2965

logging level cts	2966
logging level device-alias	2967
logging level dhclient	2968
logging level dhcp_snoop	2969
logging level diagclient	2970
logging level diagmgr	2971
logging level dot1x	2972
logging level dpvm	2973
logging level ecp	2974
logging level eigrp	2975
logging level eltm	2976
logging level epbr	2977
logging level epp	2978
logging level ethpm	2979
logging level ethpm link	2980
logging level evb	2981
logging level evmc	2982
logging level evmed	2983
logging level evms	2984
logging level fabric forwarding	2985
logging level fabricpath switch-id	2986
logging level fc2d	2987
logging level fcdomain	2988
logging level fcns	2989
logging level fcoe_mgr	2990
logging level fcs	2991
logging level fdmi	2992
logging level feature-mgr	2993
logging level flogi	2994
logging level fs-daemon	2995
logging level fspf	2996
logging level fsync_mgr	2997
logging level gpixm	2998
logging level hardware-telemetry	2999

logging level hsrp	3000
logging level igmp	3001
logging level imp	3002
logging level interface-vlan	3003
logging level ip pim	3004
logging level ip sla responder	3005
logging level ip sla sender	3006
logging level ip sla twamp-server	3007
logging level ipconf	3008
logging level ipfib	3009
logging level ipqos	3010
logging level ipv6 mld	3011
logging level ipv6 pim	3012
logging level iscm	3013
logging level iscm	3014
logging level isis	3015
logging level l2fm	3016
logging level l2rib	3017
logging level l3vm	3018
logging level lacp	3019
logging level ldap	3020
logging level lem-mgr	3021
logging level lim	3022
logging level lisp	3023
logging level lldp	3024
logging level m2rib	3025
logging level mfdm	3026
logging level mfwd	3027
logging level mfwdv6	3028
logging level mmode	3029
logging level module	3030
logging level monitor	3031
logging level mpls manager	3032
logging level mpls static	3033

logging level mpls switching	3034
logging level msdp	3035
logging level mvsh	3036
logging level nat	3037
logging level nbm	3038
logging level netstack	3039
logging level nfm	3040
logging level nfm	3041
logging level ngmvpn	3042
logging level ngoam	3043
logging level npv	3044
logging level ntp	3045
logging level nve	3046
logging level nxsdk	3047
logging level ofm	3048
logging level ospf	3049
logging level ospfv3	3050
logging level pfstat	3051
logging level pixm	3052
logging level pktmgr	3053
logging level platform	3054
logging level plcmgr	3055
logging level pltfm_config	3056
logging level pltm	3057
logging level plugin	3058
logging level poed	3059
logging level port-profile	3060
logging level port-resources	3061
logging level port-security	3062
logging level port	3063
logging level port link-failure	3064
logging level private-vlan	3065
logging level ptp	3066
logging level radius	3067

logging level rdl	3068
logging level res_mgr	3069
logging level rib	3070
logging level rip	3071
logging level rpm	3072
logging level rscn	3073
logging level sal	3074
logging level scheduler	3075
logging level scsi-target	3076
logging level segment-routing	3077
logging level session-mgr	3078
logging level sflow	3079
logging level smm	3080
logging level snmpd	3081
logging level snmpmib_proc	3082
logging level spanning	3083
logging level spm	3084
logging level stripcl	3085
logging level syncc	3086
logging level sysmgr	3087
logging level tacacs	3088
logging level tamnw	3089
logging level telemetry	3090
logging level template_manager	3091
logging level tpmn	3092
logging level track	3093
logging level tunnel-encryption	3094
logging level tunnel	3095
logging level u2rib	3096
logging level u6rib	3097
logging level udld	3098
logging level ufdm	3099
logging level urib	3100
logging level vdc_mgr	3101

logging level virtual-service	3102
logging level vlan_mgr	3103
logging level vmm	3104
logging level vmtracker	3105
logging level vpc	3106
logging level vrrp	3107
logging level vrrpv3	3108
logging level vsan	3109
logging level vshd	3110
logging level vtp	3111
logging level wwnm	3112
logging level xbar	3113
logging level zone	3114
logging logfile	3115
logging message interface type ethernet	3116
logging module	3117
logging monitor	3118
logging origin-id	3119
logging rate-limit	3120
logging rfc-strict 5424	3121
logging secure oosp strict	3122
logging server	3123
logging server dns-refresh-interval	3125
logging source-interface	3126
logging timestamp	3127
login on-failure log	3128
login on-success log	3129
logout-warning	3130
low-memory exempt	3131
lshow	3132
lsp-gen-interval	3133
lsp-gen-interval	3134
lsp-gen-interval	3135
lsp-mtu	3136

[lsp-mtu](#) **3137**

[lsp-mtu](#) **3138**

[lsp](#) **3139**

[lsp](#) **3140**

CHAPTER 14

M Commands 3141

[m2rib debug log-size transactions](#) **3148**

[mac-addr](#) **3149**

[mac-address](#) **3150**

[mac-address](#) **3151**

[mac-address](#) **3152**

[mac-address](#) **3153**

[mac-address bpdu source version 2](#) **3154**

[mac-address destination](#) **3155**

[mac-address ipv6-extract](#) **3156**

[mac-learn disable](#) **3157**

[mac-learn disable](#) **3158**

[mac-learn vlan](#) **3159**

[mac-list permit](#) **3160**

[mac-move policy](#) **3161**

[mac access-list](#) **3162**

[mac address-table aging-time](#) **3163**

[mac address-table guard-vpc-peergw-mac](#) **3164**

[mac address-table limit](#) **3165**

[mac address-table limit user-defined](#) **3166**

[mac address-table loop-detect nve port-down](#) **3167**

[mac address-table loop-detect port-down](#) **3168**

[mac address-table multicast vlan interface](#) **3169**

[mac address-table notification mac-move](#) **3170**

[mac address-table notification threshold](#) **3171**

[mac address-table static clear](#) **3172**

[mac address-table static vlan interface](#) **3173**

[mac address-table static vni](#) **3174**

[mac address](#) **3175**

mac address inherit	3176
mac advert interval	3177
mac packet-classify	3178
mac packet-classify	3179
mac port access-group	3180
mac vsan	3181
macsec eap	3182
macsec keychain macsec keychain	3183
macsec policy	3184
macsec shutdown	3185
managed-config-flag	3186
management	3187
map-notify-group	3188
map-server key	3189
marker-packet-n3500	3190
marker-packet	3191
match-address	3192
match	3193
match	3194
match	3195
match	3197
match	3198
match access-group name	3202
match as-number	3203
match as-number as-path-list	3204
match as-path	3205
match class-map	3206
match community	3207
match connected-endpoints vrf ipv4	3208
match connected-endpoints vrf ipv6	3209
match cos	3210
match cos	3211
match datalink	3212
match datalink	3213

match dscp	3214
match dscp	3215
match evpn route-type	3216
match exception	3217
match extcommunity	3219
match external-subnets vrf ipv4	3220
match external-subnets vrf ipv6	3221
match interface	3222
match interface	3223
match ip address	3224
match ip address	3225
match ip address	3226
match ip address prefix-list	3227
match ip multicast rp	3228
match ip next-hop prefix-list	3229
match ip protocol	3230
match ip protocol	3231
match ip protocol	3232
match ip route-source prefix-list	3233
match ip source address	3234
match ip source address	3235
match ipv4 protocol	3236
match ipv4 source address	3237
match ipv4 source address	3238
match ipv4 transport destination	3239
match ipv6	3240
match ipv6	3241
match ipv6 address	3242
match ipv6 address	3243
match ipv6 address	3244
match ipv6 address prefix-list	3245
match ipv6 multicast rp	3246
match ipv6 next-hop prefix-list	3247
match ipv6 protocol	3248

match ipv6 route-source prefix-list	3249
match ipv6 transport destination	3250
match l2 address	3251
match l2 address	3252
match large-community	3253
match mac-list	3254
match message-type	3255
match message-type	3256
match metric	3257
match ospf-area	3258
match protocol arp	3259
match qos-group	3260
match qos-group2	3261
match qos-group2	3262
match qos-group	3263
match redirect	3264
match route-type	3265
match rpki valid	3266
match source-protocol	3267
match tag	3268
match transport destination	3269
match transport destination	3270
match transport destination	3271
match vlan	3272
max-lsa	3273
max-lsa	3274
max-lsp-lifetime	3275
max-lsp-lifetime	3276
max-lsp-lifetime	3277
max-metric router-lsa	3278
max-metric router-lsa	3279
max-ports	3280
max-ports	3281
maxas-limit	3282

maximum-paths	3283
maximum-paths	3284
maximum-paths	3285
maximum-paths	3286
maximum-paths	3287
maximum-paths	3288
maximum-paths	3289
maximum-paths eibgp	3290
maximum-paths local	3291
maximum-paths mixed	3292
maximum-paths unequal-cost	3293
maximum-peers	3294
maximum-prefix	3295
maximum-prefix	3296
maximum routes	3297
mcast-group	3298
mcast-routing override source-interface	3299
mcast root lowest vsan	3300
mcast root principal vsan	3301
mdix auto	3302
mdns-sd controller	3303
mdns-sd controller service-list	3304
mdns-sd controller service-policy	3305
mdns-sd gateway	3306
mdns-sd gateway	3307
mdns-sd service-definition	3308
mdns-sd service-list in	3309
mdns-sd service-list out	3310
mdns-sd service-policy	3311
mdt asm-use-shared-tree	3312
mdt data	3313
mdt data vxlan	3314
mdt default	3315
mdt enforce-bgp-mdt-safi	3316

mdt mtu	3317
mdt pim hello-interval	3318
mdt pim jp-interval	3319
mdt source	3320
mdt v4 vxlan	3321
mdt v6 vxlan	3322
media-type	3323
media-type auto	3324
media-type rj45	3325
media-type sfp	3326
media	3327
medium	3328
medium broadcast	3329
medium broadcast	3330
medium p2p	3331
medium p2p	3332
member	3333
member	3335
member	3337
member	3338
member vlan	3340
member vni	3341
member vni	3342
member vni associate-vrf	3343
memory	3344
message-digest-key md5	3345
message-digest-key md5	3346
message max-size	3347
method	3348
metric-style transition	3349
metric	3350
metric	3351
metric	3352
metric direct 0	3353

metric maximum-hops 3354
metric rib-scale 3355
metric version 64bit 3356
metric weights 3357
mgmt-addr 3358
min-ls-arrival 3359
min-ls-interval 3360
mkdir 3361
mode 3362
mode 3363
mode 3364
mode 3365
mode flow-redirect 3366
mode flowlet 3367
mode hot-standby 3368
mode interface 3369
mode tap-aggregation 3370
module transceiver-frequency 3371
monitor erspan granularity 3372
monitor erspan origin ip-address 3373
monitor erspan origin ipv6-address 3374
monitor input 3375
monitor input 3376
monitor session 3377
monitor session shut 3378
monitor session type acl-capture 3379
monitor session type erspan-destination 3380
monitor session type erspan-source 3381
monitor session warp 3382
monitor session warp 3383
mount 3384
mount slot0 3385
move 3386
mpls 3387

mpls	3388
mpls	3389
mpls	3390
mpls access-list	3391
mpls ip	3392
mpls ip default-route	3393
mpls ip forwarding	3394
mpls ip propagate-ttl	3395
mpls ip ttl-expiration pop	3396
mpls label range	3397
mpls load-sharing label-ip	3398
mpls load-sharing label-only	3399
mpls port access-group	3400
mpls qos pipe-mode	3401
mpls static configuration	3402
mpls strip	3403
mpls strip label	3404
mpls traffic-eng	3405
mpls traffic-eng multicast-intact	3406
mpls traffic-eng router-id	3407
mpls ttl-mode php uniform	3408
mst designated priority	3409
mst root priority	3410
mtrace	3411
mts-buildup check	3412
mts callhome age	3413
mts latency threshold sup	3414
mtu	3415
mtu1	3416
mtu	3417
mtu	3418
mtu	3419
mtu	3420
mtu	3421

mtu	3422
mtu	3423
multi-topology	3424
multicast	3425
multicast flow-path disable-stats-table	3426
multicast flow-path export	3427
multicast service-reflect map interface	3428
multiplier multiplier	3429
multisite border-gateway interface	3430
multisite ingress-replication	3431
multisite mcast-group	3432
multisite virtual-rmac	3433
mvpn vri id	3434
mvr-config	3435
mvr-group	3436
mvr-group	3437
mvr-group	3438
mvr-group	3439
mvr-suppress-query vlan	3440
mvr-type receiver	3441
mvr-type source	3442
mvr-vlan	3443
mvr-vlan	3444

CHAPTER 15
N Commands 3445

name-lookup	3448
name-lookup	3449
name	3450
name	3451
name	3452
name	3453
name	3454
nat destination	3455
nbn bandwidth capacity	3456

nbm bandwidth unicast	3457
nbm external-link	3458
nbm flow-definition	3459
nbm flow-definition	3460
nbm flow-policy	3461
nbm flow-policy	3462
nbm flow asm range	3463
nbm flow asm range	3464
nbm flow bandwidth immediate-recovery	3465
nbm flow bandwidth immediate-recovery	3466
nbm flow bandwidth kbps mbps gbps	3467
nbm flow bandwidth kbps mbps gbps	3468
nbm flow dscp	3469
nbm flow dscp	3470
nbm flow policer	3471
nbm flow policer	3472
nbm flow reserve-bandwidth receiver-only	3473
nbm flow reserve-bandwidth receiver-only	3474
nbm host-policy	3475
nbm host-policy	3476
nbm mode pim	3477
nbm reserve unicast fabric bandwidth	3478
nbm vrf	3479
nbm vrf default	3480
negotiate auto	3481
negotiate auto 25000	3482
negotiate auto	3483
neighbor-down fib-accelerate	3484
neighbor	3485
neighbor	3486
neighbor	3487
neighbor	3488
neighbor	3489
neighbor	3490

neighbor 3491

nemo config address port interval 3492

net 3493

net 3494

network 3495

network 3496

next-hop-self 3497

next-hop-third-party 3498

nexthop load-balance egress multisite 3499

nexthop route-map 3500

nexthop suppress-default-resolution 3501

nexthop trigger-delay critical non-critical 3502

ngoam authentication-key 3503

ngoam connect-check 3504

ngoam install acl 3505

ngoam loop-detection 3506

ngoam loop-detection bringup vlan 3507

ngoam loop-detection probe vlan 3508

ngoam profile 3509

ngoam xconnect hb-interval 3510

no-more 3511

no 3512

no 3515

no 3516

no 3517

no 3518

no 3519

no 3523

no 3529

no 3534

no 3538

no 3542

no 3545

no 3549

no	3553
no	3556
no	3557
no	3558
no	3559
no	3561
no	3562
node ip	3563
node ip	3564
npv auto-load-balance disruptive	3565
npv traffic-map server-interface external-interface	3566
nsf await-redis-proto-convergence	3567
ntp access-group	3568
ntp access-group match-all	3569
ntp allow private	3570
ntp authenticate	3571
ntp authentication-key md5	3572
ntp logging	3573
ntp master	3574
ntp passive	3575
ntp peer	3576
ntp server	3577
ntp source-interface	3578
ntp source	3579
ntp sync-retry	3580
ntp trusted-key	3581
nv overlay evpn	3582
nve interface remap-replication-servers	3583
nve interface replication-server up	3584
nve oam mode draft-pang	3585
nwwn	3586
nwwn vsan	3587
nxapi certificate httpskey keyfile	3588
nxapi client certificate authentication	3589

nxapi http port	3590
nxapi idle-timeout	3591
nxapi ssl ciphers weak	3592
nxapi ssl protocols	3593
nxapi use-vrf management default	3594
nxsdk profile	3595
nxsdk remote port	3596
nxsdk service-name	3597

CHAPTER 16
O Commands 3599

oam-channel	3601
oam	3602
oam	3603
oam	3604
object-group ip address	3605
object-group ip port	3606
object-group ipv6 address	3607
object-group udp relay ip address	3608
object-track	3609
ocsp url	3610
ols	3611
ols	3612
ols com egress control	3613
ols com egress osri	3614
ols line egress safety-control	3615
on-demand color	3616
operation-packet-priority normal	3617
option exporter-stats timeout	3618
option interface-table timeout	3619
origin-as validate	3620
origin-as validate signal ibgp	3621
originate-map	3622
ospfv3 authentication disable ipsec spi md5 sha1 key-chain	3623
ospfv3 bfd	3624

ospfv3 cost	3625
ospfv3 dead-interval	3626
ospfv3 encryption disable ipsec spi esp 3des aes 128 authentication sha1	3627
ospfv3 event-history cli	3629
ospfv3 hello-interval	3630
ospfv3 instance	3631
ospfv3 mtu-ignore	3632
ospfv3 network broadcast	3633
ospfv3 network point-to-point	3634
ospfv3 passive-interface	3635
ospfv3 priority	3636
ospfv3 retransmit-interval	3637
ospfv3 shutdown	3638
ospfv3 transmit-delay	3639
other-config-flag	3640
otv-isis	3641
otv isis authentication-check	3642
otv isis authentication-type cleartext	3643
otv isis authentication key-chain	3644
otv isis csnp-interval	3645
otv isis hello-interval	3646
otv isis hello-interval	3647
otv isis hello-multiplier	3648
otv isis hello-multiplier	3649
otv isis hello-padding	3650
otv isis lsp-interval	3651
otv isis metric	3652
otv isis priority	3653
overlay-encapsulation	3654
overwrite-vlan	3655
owner	3656

CHAPTER 17**P Commands** 3657

packet-size	3664
-------------	------

param-list param-list	3665
parity	3666
parity	3667
passive-interface default	3668
passive-interface default	3669
passive-interface default	3670
passive-interface default	3671
password	3672
password	3673
password	3674
password prompt username	3675
password secure-mode	3676
password strength-check	3677
path-attribute discard in	3678
path	3679
path next-hop out-label-stack	3680
pathtrace	3681
pathtrace	3683
pause	3684
pause buffer-size2 pause-threshold2 resume-threshold2	3685
pause priority	3686
payload	3687
pcc	3688
pce-address ipv4	3689
pcep	3690
pcep	3691
pdop threshold	3692
peer-gateway	3693
peer-ip	3694
peer-keepalive destination	3695
peer-switch	3697
peer-type fabric	3698
peer-vtep	3699
peer local service	3700

per-ingress-port-mtu-mode	3701
periodic-inventory notification	3702
periodic-inventory notification interval	3703
periodic-probe-interval	3704
periodic to	3705
periodic to	3706
permit interface	3707
permit vlan	3708
permit vrf	3709
permit vsan	3710
persist-disk	3711
personality	3712
personality backup	3713
personality restore	3714
phone-contact	3715
pim	3716
pim	3717
ping	3718
ping6	3720
ping	3721
ping mpls	3723
ping mpls monitor session-id nil-fec labels output ointerface nexthop	3727
ping sr-mpls	3728
pki-trustpoint	3731
platform insert module	3732
platform name vsan	3734
platform proactive-cc forwarding	3735
platform rate-limiter span-egress	3736
platform vnic scheme sequential	3737
pnv startup-vlan	3738
police	3739
police	3741
police	3743
police	3747

policer	3751
policer	3752
policy-map	3753
policy-map type control-plane	3754
policy-map type network-qos	3755
policy-map type queuing	3756
policy	3757
policy	3758
policy	3759
pop	3760
port-channel bfd destination	3761
port-channel bfd start	3762
port-channel bfd track-member-link	3763
port-channel fast-convergence	3764
port-channel hash-distribution	3765
port-channel limit	3766
port-channel load-balance	3767
port-channel load-balance1 ethernet	3768
port-channel load-balance2 resilient	3769
port-channel load-balance	3770
port-channel load-defer	3771
port-channel port hash-distribution	3772
port-channel port load-defer	3773
port-channel scale-fanout	3774
port-group	3775
port-license	3776
port-license	3777
port-parameters	3778
port-profile	3779
port-recovery-interval	3780
port-type	3781
port	3782
port	3783
port	3784

port	3785
port destination	3786
port type ethernet	3787
port usb disable	3788
postcard-telemetry exporter	3789
postcard-telemetry flow-profile	3790
postcard-telemetry monitor	3791
postcard-telemetry queue-profile	3792
postcard-telemetry system monitor	3793
postcard-telemetry watchlist ip	3794
power efficient-ethernet auto	3795
power efficient-ethernet sleep threshold aggressive	3796
power inline	3797
power inline default_consumption	3798
power inline police action	3799
power inline port priority	3800
power redundancy-mode combined	3801
power redundancy-mode combined force	3802
power redundancy-mode insrc-redundant	3803
power redundancy-mode ps-redundant	3804
power usage-history	3805
poweroff	3806
ppk crypto-qkd-profile	3807
precision milliseconds	3808
preempt	3809
preempt	3810
preempt delay minimum	3811
preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum reload preempt delay reload preempt delay sync preempt	3812
preference	3814
preference	3815
preference max	3816

preference min	3817
prefix-priority high	3818
prefix	3819
prefix out	3820
prepend-pkg-opts	3821
priority-flow-control auto-restore multiplier	3822
priority-flow-control fixed-restore multiplier	3823
priority-flow-control mode	3824
priority-flow-control override-interface mode off	3825
priority-flow-control recover interface	3826
priority-flow-control tah-recover interface	3827
priority-flow-control watch-dog-interval on	3828
priority-flow-control watch-dog-interval on	3829
priority-flow-control watch-dog forced on	3830
priority-flow-control watch-dog interval	3831
priority-flow-control watch-dog shutdown-multiplier	3832
priority	3833
priority2	3834
priority	3835
priority	3836
priority	3837
priority	3838
priority	3839
priority	3840
priority	3841
priority critical	3842
priority critical	3843
private-vlan	3844
private-vlan association	3845
private-vlan mapping	3846
private-vlan synchronize	3847
probe	3848
probe	3850
probe	3852

probe	3853
probe	3854
probe get	3855
probe get	3856
probe get	3857
probe host	3858
probe host	3859
probe host	3860
probe port	3861
probe port	3862
probe port	3863
probe track	3864
probe track	3865
probe track	3866
probe track	3867
probe track	3868
profile	3869
profile	3870
profile	3871
profile	3872
protected	3873
protected	3874
proto	3875
protocol	3876
protocol	3877
proxy	3878
ptp	3879
ptp acl-redirect	3880
ptp announce interval	3881
ptp announce interval	3882
ptp announce timeout	3883
ptp asymmetric-delay forward	3884
ptp clock-identity	3885
ptp clock-sync auto	3886

ptp clock periodic-update	3887
ptp convergence-time	3888
ptp correction-range	3889
ptp correction-range logging	3890
ptp correction hardware	3891
ptp cost	3892
ptp delay-request minimum interval	3893
ptp delay-request minimum interval	3894
ptp delay tolerance reverse	3895
ptp destination-mac forwardable rx-no-match	3896
ptp device-type	3897
ptp domain	3898
ptp domain	3899
ptp domain clock-accuracy-threshold	3900
ptp domain clock-class-threshold	3901
ptp domain priority	3902
ptp enhanced-client-scale	3903
ptp forward-version1	3904
ptp grandmaster-capable	3905
ptp ipv6 multicast scope rx ptp ipv6 multicast scope rx	3906
ptp ipv6 multicast scope rx ptp ipv6 multicast scope rx	3907
ptp ipv6 multicast scope tx ptp ipv6 multicast scope tx	3908
ptp ipv6 multicast scope tx ptp ipv6 multicast scope tx	3909
ptp management	3910
ptp master	3911
ptp mean-path-delay	3912
ptp multi-domain	3913
ptp multi-domain transition-attributes priority1	3914
ptp multi-domain transition-attributes priority2	3915
ptp neighbor propagation-delay-threshold	3916
ptp notification type gm-change	3917
ptp notification type high-correction	3918
ptp notification type parent-change	3919
ptp notification type port-state-change	3920

ptp offload	3921
ptp pdelay-req-interval	3922
ptp peer	3923
ptp priority1	3924
ptp priority2	3925
ptp profile-override	3926
ptp profile	3927
ptp role	3928
ptp scale-on-1G	3929
ptp slave	3930
ptp source	3931
ptp source	3932
ptp sync interval	3933
ptp sync interval	3934
ptp time distribution-hold	3935
ptp transmission multicast	3936
ptp transport	3937
ptp ucast-source	3938
ptp unicast-negotiation	3939
ptp utc-offset	3940
ptp vlan	3941
purge fcdomain fcid vsan	3942
purge module running-config	3943
push	3944
pwd	3945
pwwn vsan	3946
python	3947
python3	3948
python instance	3949

CHAPTER 18**Q Commands 3951**

qos-mode pipe	3952
qos copy policy-map type network-qos prefix	3953
qos copy policy-map type queuing prefix	3954

qos priority	3955
qos priority	3956
qos qos-policies statistics	3957
qos shared-policer	3958
qos statistics	3962
qualify udf	3963
quality receive	3964
quality receive	3965
quality receive	3967
quality receive	3968
quality receive	3970
quality receive	3971
quality transmit	3973
quality transmit	3975
quality transmit	3976
quality transmit	3978
quality transmit	3979
quality transmit	3981
queue-limit	3982
queue-limit2	3983
queue-limit3	3984
queue-limit4	3985
queue-limit5	3986
queue-limit bytes	3987
queue-limit retransmit	3988
queue-limit retransmit	3989
queue	3990
queue interface latency-threshold	3991

CHAPTER 19
R Commands 3993

radius-server deadtime	3998
radius-server directed-request	3999
radius-server host dtls idle	4000
radius-server host key 0 6 7	4001

radius-server host test	4003
radius-server host tls idle	4004
radius-server key 0 6 7	4005
radius-server retransmit	4006
radius-server secure tls	4007
radius-server test	4008
radius-server timeout	4009
random-detect	4010
random-detect2 minimum-threshold2 maximum-threshold2	4012
random-detect2 non-ecn minimum-threshold2 maximum-threshold2 drop	4013
random-detect	4014
random-detect cos-based	4016
rate-limit	4018
rate-limit cpu direction input output both pps action log	4019
rate-limit cpu direction input output both pps action log	4020
rd	4021
rd auto	4022
rd auto	4023
rd dual	4024
read-only	4025
read-only	4026
receiver	4027
receiver	4028
reconnect-interval	4029
record	4030
record	4031
record	4032
record	4033
record	4034
record	4035
record	4036
record	4037
record	4038
record netflow-original	4039

record netflow	4040
record netflow	4041
record netflow	4042
record netflow protocol-port	4043
recv-id	4044
redistribute filter route-map	4045
redistribute filter route-map	4046
redistribute maximum-prefix	4047
redistribute maximum-prefix	4048
redistribute maximum-prefix	4049
redistribute maximum-prefix	4050
redistribute maximum-prefix	4051
redistribute route-map	4052
redundancy-group	4053
reference-bandwidth	4054
reference-bandwidth	4055
reference-bandwidth	4056
refresh-interval	4057
region	4058
register-database-mapping	4059
register-route-notifications	4060
reload	4061
reload cancel	4062
reload in	4063
reload module	4064
reload module force-dnld	4065
reload non-interruptive	4066
reload power-cycle	4067
reload sync-adjacency	4068
reload timer	4069
reload vdc	4070
reload vdc	4071
remark	4072
remark	4073

remark 4074

remote-span 4075

remove-private-as 4076

remove filter 4077

report 4078

report 4079

report 4080

report 4081

report 4082

report 4083

report 4084

request-data-size 4085

request-data-size 4086

request-data-size 4087

resequence 4088

reset 4089

reset 4090

reset 4091

reset 4092

reset 4093

reset 4094

reset 4095

restart amt 4096

restart bgp 4097

restart eigrp 4098

restart fabricpath domain 4099

restart igmp 4100

restart isis 4101

restart mld 4102

restart msdp 4103

restart ngmvpn 4104

restart ospf 4105

restart ospfv3 4106

restart otv-isis 4107

restart pim	4108
restart pim6	4109
restart rip	4110
resync-database	4111
retain route-target all	4112
retain route-target all	4113
retransmit-interval	4114
retransmit-interval	4115
retransmit-interval	4116
retry-interval	4117
reverse interface	4118
reverse interface	4119
reverse ip	4120
reverse ip	4121
revision	4122
revocation-check	4123
rewrite-evpn-rt-asn	4124
rewrite-rt-asn	4125
rfc1583compatibility	4126
rib verification-report	4127
rip shutdown	4128
rmdir	4129
rmon alarm absolute rising-threshold falling-threshold	4130
rmon event	4131
rmon hcalarm absolute startupalarm rising-threshold falling-threshold owner	4132
roaming-eid-prefix	4133
role feature-group name	4134
role name	4135
role priority	4136
rollback configuration to	4137
rollback running-config checkpoint	4138
root-priority	4139
route-map	4140
route-map	4141

route-map 4142
route-map 4143
route-map out 4144
route-map pbr-statistics 4145
route-reflector-client 4146
route-reflector-client 4147
route-target both 4148
route-target both auto 4149
route-target both auto 4150
route-target export 4151
route-target export 4152
route-target export auto 4153
route-target import 4154
route-target import 4155
route-target import auto 4156
route 4157
router-guard ip multicast 4159
router-guard ip multicast switchports 4160
router-guard ipv6 multicast 4161
router-guard ipv6 multicast switchports 4162
router-id 4163
router-id 4164
router-id 4165
router-id 4166
router-id 4167
router-id 4168
router-preference maximum 4169
router bgp 4170
router eigrp 4171
router isis 4172
router ospf 4173
router ospfv3 4174
router rip 4175
routing-context vrf 4176

[rpki cache](#) 4177
[rsa-keypair](#) 4178
[rtr etr eid](#) 4179
[rule](#) 4180
[rule command](#) 4181
[rule oid](#) 4182
[run-opts](#) 4183
[run-script](#) 4184
[run2 guestshell](#) 4185
[run bash](#) 4186
[run cid](#) 4187

CHAPTER 20
S Commands 4189

[sak-expiry-time](#) 4205
[sak-rekey-time](#) 4206
[sampling-rate prepost](#) 4207
[sampling](#) 4208
[sampling rate](#) 4209
[sampling rate](#) 4210
[sampling rate](#) 4211
[save](#) 4212
[save configuration load](#) 4213
[scale-factor module](#) 4214
[scheduler aaa-authentication](#) 4215
[scheduler job name](#) 4216
[scheduler logfile size](#) 4217
[scheduler schedule name](#) 4218
[scheduler transport email](#) 4219
[schema](#) 4220
[scripting tel init](#) 4221
[scripting tel recursion-limit](#) 4222
[sds module](#) 4223
[sds module](#) 4224
[section](#) 4225

secure-handoff	4226
security-group	4227
security-group name	4228
security-level	4229
security-policy	4230
sed	4231
segment-list name	4232
segment-routing	4233
segment-routing	4234
segment-routing mpls	4235
segment-routing mpls	4236
segment-routing srv6	4237
segment-routing srv6	4238
segment-routing srv6	4239
segment-routing srv6	4240
segment-routing srv6	4241
segment-routing traffic-engineering reoptimize	4242
segment-routing traffic-engineering switch name preference	4243
segment-routing traffic-engineering test bfd notif bsid session-id state	4244
segments	4245
segments	4246
selection input	4247
selection input	4248
selection input	4249
send-community	4250
send-community	4251
send-community extended	4252
send-id	4253
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l	4254
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l	4256

send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l	4258
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l	4260
send	4262
send session	4263
sender	4264
sender	4265
sensor-group	4266
sequence	4267
sequence	4268
server-key 0 7	4269
server	4270
server	4271
server	4272
server protocol ldap	4273
server protocol radius group	4274
server protocol xmpp ip	4275
service-end-point interface	4276
service-end-point interface	4277
service-end-point ip	4278
service-end-point ip	4279
service-interface	4280
service-list	4281
service-list in	4282
service-name	4283
service-policy-dynamic input	4284
service-policy	4285
service-policy	4286
service-policy	4287
service-policy	4288
service-policy input	4289
service-policy type network-qos	4290

service-policy type qos	4291
service-policy type queuing	4292
service-policy type queuing	4293
service-policy type queuing	4294
service-type	4295
service announcement-count	4296
service announcement-timer periodicity	4297
service exclude-bootconfig	4298
service password-recovery	4299
service query-count	4300
service query-timer periodicity	4301
service unsupported-transceiver	4302
session-limit	4303
session domain-lookup	4304
session protection	4305
set-attached-bit	4306
set-overload-bit	4307
set-overload-bit	4308
set	4309
set	4311
set	4312
set	4313
set	4314
set	4315
set aigp-metric difference	4318
set aigp-metric igp-cost	4319
set as-path-length difference	4320
set as-path none remote-as local-as	4321
set as-path prepend last-as tag	4322
set as-path replace private-as	4323
set comm-list delete	4324
set cos	4325
set cos	4326
set dampening	4327

set distance	4328
set esi all	4329
set evpn gateway-ip	4330
set extcomm-list delete	4331
set extcommunity 4byteas-generic transitive additive	4332
set extcommunity bandwidth	4333
set extcommunity color	4334
set extcommunity cost	4335
set extcommunity evpn rmac	4336
set extcommunity rt additive	4337
set filter ip	4338
set filter ipv6	4339
set forwarding-address	4340
set inner ipv4	4341
set inner ipv4	4343
set inner l2	4345
set inner l2	4347
set inner l2 hg2	4349
set inner l2 hg2	4351
set inner l4	4353
set inner l4	4354
set interface	4355
set interval find-new-host	4356
set interval sync-full-info	4357
set ip address prefix-list	4358
set ip default next-hop	4359
set ip default next-hop verify-availability	4360
set ip default vrf next-hop	4361
set ip default vrf next-hop verify-availability	4362
set ip next-hop	4363
set ip next-hop	4364
set ip next-hop	4365
set ip next-hop peer-address	4366
set ip next-hop redist-unchanged	4367

set ip next-hop unchanged	4368
set ip next-hop verify-availability	4369
set ip precedence	4370
set ip vrf next-hop	4371
set ip vrf next-hop verify-availability	4372
set ipv6 address prefix-list	4373
set ipv6 default next-hop	4374
set ipv6 default next-hop verify-availability	4375
set ipv6 default vrf next-hop	4376
set ipv6 default vrf next-hop verify-availability	4377
set ipv6 next-hop	4378
set ipv6 next-hop	4379
set ipv6 next-hop	4380
set ipv6 next-hop peer-address	4381
set ipv6 next-hop redist-unchanged	4382
set ipv6 next-hop unchanged	4383
set ipv6 next-hop verify-availability	4384
set ipv6 precedence	4385
set ipv6 vrf next-hop	4386
set ipv6 vrf next-hop verify-availability	4387
set label-index	4388
set large-community-list delete	4389
set large-community none additive	4390
set level level-1 level-1-2 level-2	4391
set load-share	4392
set load-share multipath-equal-group	4393
set load-share multipath-unequal-group	4394
set local-preference	4395
set maximum-paths	4396
set metric	4397
set metric difference	4398
set mpls-exp-topmost cos table exp-cos-map	4399
set nssa-only	4400
set origin egp igp incomplete	4401

set outer ipv4	4402
set outer l2	4404
set outer l2 hg2	4406
set outer l4	4408
set pktrw	4409
set service	4415
set service	4416
set service	4417
set sideband	4418
set srte-policy	4421
set srte-policy name	4422
set tag	4423
set weight	4424
setup	4425
sflow	4426
sflow	4427
sflow data-source interface	4428
sflow data-source interface	4429
sflow extended bgp	4430
sflow extended switch	4431
shared-secret	4432
show	4433
show	4434
show	4435
show	4436
show	4440
show	4444
show	4450
show	4451
show	4452
show	4453
show	4454
show	4455
shut	4456

shutdown	4457
shutdown	4458
shutdown	4459
shutdown	4460
shutdown	4461
shutdown	4462
shutdown	4463
shutdown	4464
shutdown	4465
shutdown	4466
shutdown	4467
shutdown	4468
shutdown	4469
shutdown	4470
shutdown	4471
shutdown	4472
shutdown	4473
shutdown	4474
shutdown	4475
shutdown	4476
shutdown	4477
shutdown	4478
shutdown	4479
shutdown	4480
shutdown	4481
shutdown	4482
shutdown	4483
shutdown	4484
shutdown	4485
shutdown	4486
shutdown	4487
shutdown	4488
shutdown	4489
shutdown	4490

shutdown	4491
shutdown	4492
shutdown	4493
shutdown	4494
shutdown	4495
shutdown	4496
shutdown	4497
shutdown	4498
shutdown force	4499
shutdown lan	4500
shutdown lan	4501
signing level	4502
site-id	4503
site-of-origin	4504
sleep	4505
sleep instance	4506
slot	4507
slot	4508
smtp-host smtp-port reply-to from	4509
snapshot create	4510
snapshot delete	4511
snapshot delete ALL	4512
snapshot section add	4513
snapshot section delete	4514
snmp-server aaa-user cache-timeout	4515
snmp-server community	4516
snmp-server community	4517
snmp-server contact	4518
snmp-server context	4519
snmp-server counter cache enable	4520
snmp-server counter cache timeout	4521
snmp-server drop unknown	4522
snmp-server enable traps	4523
snmp-server enable traps bgp	4524

snmp-server enable traps bgp cbgp2	4525
snmp-server enable traps bgp cbgp2 threshold prefix	4526
snmp-server enable traps bgp threshold prefix	4527
snmp-server enable traps eigrp	4528
snmp-server enable traps ospf	4529
snmp-server enable traps ospf lsa	4530
snmp-server enable traps ospf rate-limit	4531
snmp-server enable traps ospfv3	4532
snmp-server enable traps ospfv3 lsa	4533
snmp-server enable traps ospfv3 lsa	4534
snmp-server enable traps ospfv3 rate-limit	4535
snmp-server enable traps storm-control trap-rate	4536
snmp-server engineID local	4537
snmp-server globalEnforcePriv	4538
snmp-server host filter-vrf	4539
snmp-server host source	4540
snmp-server host use-vrf	4541
snmp-server local use-vrf	4542
snmp-server location	4543
snmp-server mib community-map context	4544
snmp-server protocol enable	4545
snmp-server source-interface informs	4546
snmp-server source-interface traps	4547
snmp-server system-shutdown	4548
snmp-server tcp-session	4549
snmp-server user	4550
snmp-server user	4552
snmp ifmib ifalias long	4553
snmp trap link-status	4554
snmp trap link-status	4555
snmp trap link-status	4556
snmp trap link-status	4557
snmp trap link-status	4558
snr threshold	4559

snsr-grp sample-interval	4560
sockets local-port-range	4561
soft-reconfiguration inbound	4562
sort	4563
source-address ipv4	4564
source-address ipv6	4565
source-interface	4566
source-interface	4567
source-interface	4568
source-interface	4569
source-interface	4570
source-interface	4571
source-interface	4572
source-interface	4573
source-interface	4574
source-interface	4575
source-interface	4576
source-interface hold-down-time	4577
source	4578
source	4579
source	4580
source	4581
source	4582
source	4583
source	4584
source	4585
source	4586
source	4587
source	4588
source copy-sys	4589
source destination	4590
source forward-drops	4591
source group permit	4592
source group permit	4593

source interface	4594
source interface	4595
source interface	4596
source ip	4597
source ipv4	4598
source ipv6	4599
source port	4600
source port	4601
source vlan	4602
source vlan	4603
source vsan	4604
spanning-tree bpdupfilter	4605
spanning-tree bpduguard	4606
spanning-tree bridge-domain	4607
spanning-tree bridge assurance	4608
spanning-tree cost	4609
spanning-tree cost auto	4610
spanning-tree domain	4611
spanning-tree domain clear statistics	4612
spanning-tree fcoe	4613
spanning-tree guard	4614
spanning-tree lc-issu	4615
spanning-tree lc-issu	4616
spanning-tree link-type	4617
spanning-tree loopguard default	4618
spanning-tree mode	4619
spanning-tree mst configuration	4620
spanning-tree mst configuration	4621
spanning-tree mst cost	4622
spanning-tree mst cost auto	4623
spanning-tree mst forward-time	4624
spanning-tree mst hello-time	4625
spanning-tree mst max-age	4626
spanning-tree mst max-hops	4627

spanning-tree mst port-priority	4628
spanning-tree mst pre-standard	4629
spanning-tree mst priority	4630
spanning-tree mst root	4631
spanning-tree mst simulate pvst	4632
spanning-tree mst simulate pvst global	4633
spanning-tree pathcost method	4634
spanning-tree port-priority	4635
spanning-tree port type	4636
spanning-tree port type edge bpdudfilter default	4637
spanning-tree port type edge bpduguard default	4638
spanning-tree port type edge default	4639
spanning-tree port type edge trunk	4640
spanning-tree port type network default	4641
spanning-tree pseudo-information	4642
spanning-tree vlan	4643
spanning-tree vlan forward-time	4644
spanning-tree vlan hello-time	4645
spanning-tree vlan max-age	4646
spanning-tree vlan priority	4647
spanning-tree vlan root	4648
speed-group	4649
speed	4650
speed	4651
speed	4652
speed	4653
speed	4654
speed	4655
speed	4656
speed	4657
speed auto	4658
speed auto 100	4659
speed auto 100 1000	4660
speed auto 100 1000 2500 5000	4661

speed auto 100 1000	4662
speed auto 100	4663
speed auto 2500 5000 10000	4664
speed auto	4665
spf-interval	4666
spf-interval	4667
spf-interval	4668
spf hold	4669
split-horizon per-site	4670
sport	4671
sport	4672
src-intf	4673
srv6	4674
srv6	4675
ssh	4676
ssh6	4677
ssh	4678
ssh cipher-mode weak	4679
ssh ciphers aes256-gcm	4680
ssh idle	4681
ssh key	4682
ssh login-attempts	4683
ssh login-gracetime	4684
ssh port	4685
ssh rekey max-data max-time	4686
ssm disable	4687
ssm disable	4688
ssm disable	4689
ssx exporter	4690
ssx monitor	4691
ssx record	4692
ssx system monitor	4693
ssx system system-id	4694
stage-flow	4695

stage-flow 4696

standby 4697

start-threshold 4698

start 4699

start 4700

start 4701

start 4702

start 4703

start 4704

start 4705

start filter 4706

state 4707

state enabled 4708

static-pinning 4709

statistics 4710

statistics 4711

statistics 4712

statistics 4713

statistics per-entry 4714

statistics per-entry 4715

statistics per-entry 4716

statistics per-entry 4717

stats-reporting-period 4718

status 4719

status 4720

status 4721

status 4722

status 4723

status 4724

status 4725

stop-threshold 4726

stop filter 4727

stopbits 4728

stopbits 1 4729

storm-contrl multi	4730
storm-control-cpu	4731
storm-control	4732
streetaddress	4733
stub	4734
subscription	4735
summary-address	4736
summary-address	4737
summary-address	4738
summary-address	4739
suppress-arp	4740
suppress-fib-pending	4741
suppress-fib-pending	4742
suppress-inactive	4743
suppress-inactive	4744
suppress-signaling-protocol ldp	4745
suppress mac-route	4746
suppress nd	4747
switch-id	4748
switch-latency	4749
switch-latency	4750
switch-priority	4751
switch-profile	4752
switch-profile	4753
switch-role border-leaf	4754
switchback	4755
switching-mode fabric-speed 40g	4756
switching-mode fast-to-slow-speed-cut-through	4757
switching-mode store-forward	4758
switchport	4759
switchport	4760
switchport access vlan	4761
switchport access vlan	4762
switchport access vlan	4763

switchport access vlan	4764
switchport autostate exclude	4765
switchport backup interface	4766
switchport backup interface	4767
switchport backup interface multicast fast-convergence	4768
switchport backup interface multicast fast-convergence	4769
switchport backup interface preemption delay	4770
switchport backup interface preemption delay	4771
switchport backup interface preemption mode	4772
switchport backup interface preemption mode	4773
switchport beacon	4774
switchport block unicast	4775
switchport description	4776
switchport dot1q ethertype	4777
switchport dot1q ethertype	4778
switchport duplex	4779
switchport host	4780
switchport ignore bit-errors	4781
switchport isolated	4782
switchport mac-address static	4783
switchport mac-learn disable	4784
switchport mode	4785
switchport mode	4786
switchport mode	4787
switchport mode	4788
switchport mode	4789
switchport mode	4790
switchport mode	4791
switchport mode fabricpath	4792
switchport mode monitor buffer-limit	4793
switchport mode private-vlan	4794
switchport mode private-vlan	4795
switchport mode private-vlan trunk	4796
switchport mode private-vlan trunk	4797

switchport monitor	4798
switchport mtu	4799
switchport owner	4800
switchport port-security	4801
switchport port-security aging time	4802
switchport port-security aging type absolute	4803
switchport port-security mac-address	4804
switchport port-security mac-address sticky	4805
switchport port-security maximum	4806
switchport port-security violation	4807
switchport priority extend cos	4808
switchport private-vlan association trunk	4809
switchport private-vlan association trunk	4810
switchport private-vlan host-association	4811
switchport private-vlan host-association	4812
switchport private-vlan mapping	4813
switchport private-vlan mapping	4814
switchport private-vlan mapping trunk	4815
switchport private-vlan mapping trunk	4816
switchport private-vlan trunk allowed vlan	4817
switchport private-vlan trunk allowed vlan	4818
switchport private-vlan trunk native vlan	4819
switchport private-vlan trunk native vlan	4820
switchport promiscuous-mode off	4821
switchport speed	4822
switchport speed	4823
switchport trunk allow-multi-tag	4824
switchport trunk allowed vlan	4825
switchport trunk allowed vlan	4826
switchport trunk allowed vsan	4827
switchport trunk allowed vsan	4828
switchport trunk l3-multicast receiver-vlan	4829
switchport trunk mode	4830
switchport trunk native vlan	4831

switchport trunk native vlan	4832
switchport trunk pruning vlan except add remove none all	4833
switchport virtual-ethernet-bridge	4834
switchport vlan mapping	4835
switchport vlan mapping all	4836
switchport vlan mapping all dot1q-tunnel	4837
switchport vlan mapping dot1q-tunnel	4838
switchport vlan mapping dot1q-tunnel allowed-vlan	4839
switchport vlan mapping enable	4840
switchport voice vlan	4841
switchport voice vlan	4842
switchto vdc	4843
swnn	4844
sync-peers destination	4845
sync duration	4846
sync duration range	4847
sync interval	4848
sync interval range	4849
system-mac	4850
system-priority	4851
system	4852
system acl-adjacency-sharing	4853
system acl-adjacency-sharing	4854
system acl	4855
system auto-collect tech-support	4856
system cores	4857
system default interface-vlan autostate	4858
system default interface	4859
system default interface	4860
system default link-fail laser-on	4861
system default reset-dei	4862
system default route-map validate-applied	4863
system default switchport	4864
system default switchport fabricpath	4865

system default switchport shutdown	4866
system default tx-credit double-queue	4867
system default zone	4868
system dot1q-tunnel transit	4869
system fabric-mode full-rate	4870
system fast-reload stabilization-timer	4871
system flash sda resize	4872
system hap-reset	4873
system hap-reset	4874
system health check bootflash	4875
system heartbeat	4876
system heartbeat	4877
system high-multicast-priority	4878
system inband cpu-mac log threshold rx tx	4879
system interface shutdown	4880
system jumbomtu	4881
system login block-for	4882
system login block-for attempts within	4883
system login quiet-mode	4884
system login quiet-mode access-class	4885
system lpss monitor	4886
system memory-thresholds minor severe critical	4887
system mld snooping	4888
system mode maintenance	4889
system mode maintenance always-use-custom-profile	4890
system mode maintenance maint-delay	4891
system mode maintenance on-reload reset-reason	4892
system mode maintenance snapshot-delay	4893
system mode maintenance timeout	4894
system modifications throttle	4895
system module failure-action shutdown	4896
system module failure-action shutdown multibit-parity	4897
system mrouting	4898
system multicast-priority	4899

system multicast dcs-check	4900
system multicast pvlan route-replication	4901
system nve ecmp-reuse	4902
system nve infra-vlans	4903
system nve ingress-replication round-robin	4904
system nve ipmc global index-size	4905
system nve nat peer-ip	4906
system pic-core	4907
system poap	4908
system poap	4909
system private-vlan fex trunk	4910
system pss shrink	4911
system qos	4912
system routing l3-scale	4913
system routing unknown-unicast-flood	4914
system routing vrf-aware-nat	4915
system security compliance common-criteria	4916
system security consent-token shell-access	4917
system security sudo prompt-password	4918
system server session cmd-timeout	4919
system shutdown fan-direction mismatch	4920
system simulate fan-presence	4921
system software allow third-party	4922
system standby manual-boot	4923
system standby manual-boot	4924
system startup-config init	4925
system startup-config unlock	4926
system statistics	4927
system statistics	4928
system storm-control multi-threshold	4929
system storm-control priority-policy drop-l3	4930
system switch-mode	4931
system switchover	4932
system tech-support blocked-commands	4933

system timeout	4934
system trace	4935
system urpf disable	4936
system vlan long-name	4937
system vlan nve-overlay id	4938
system vlan reserve	4939
system vrf-member-change retain-l3-config	4940
system watchdog	4941
system watchdog	4942
system watchdog kgdb	4943
system watchdog kgdb	4944

CHAPTER 21**T Commands 4945**

table-map	4954
table-map	4955
table-map	4956
table-map	4957
table-map	4958
table-map	4959
table-map	4960
table-map	4961
table-map	4962
tac-pac	4963
tac-pac	4964
tac-pac	4965
tacacs-server deadtime	4966
tacacs-server directed-request	4967
tacacs-server host key 0 6 7	4968
tacacs-server host test	4969
tacacs-server key 0 6 7	4970
tacacs-server test	4971
tacacs-server timeout	4972
tag	4973
tag happens in	4974

tahoe-python module	4975
tahoe-python module quoted	4976
tahusd-report	4977
tahusd-report	4978
tahusd-report	4979
tahusd-report	4980
tahusd-report	4981
tahusd-report	4982
tahusd-report	4983
tahusd-report	4984
tahusd-report	4985
tahusd-reset	4986
tahusd-reset	4987
tahusd-reset	4988
tahusd-reset	4989
tahusd-reset	4990
tahusd-reset	4991
tahusd-reset	4992
tahusd-reset	4993
tahusd-reset	4994
tahusd-set drpvec	4995
tahusd-set drpvec	5001
tahusd-set ieth	5007
tahusd-set ieth	5010
tahusd-set inner arp	5013
tahusd-set inner ipv4	5015
tahusd-set inner ipv6 src_ip	5017
tahusd-set inner l2	5018
tahusd-set inner l4	5020
tahusd-set inner mpls	5023
tahusd-set outer arp	5025
tahusd-set outer arp	5027
tahusd-set outer fcoe	5029
tahusd-set outer ipv4	5031

tahusd-set outer ipv4	5033
tahusd-set outer ipv6 src_ip	5035
tahusd-set outer ipv6 src_ip	5036
tahusd-set outer l2	5037
tahusd-set outer l2	5039
tahusd-set outer l4	5041
tahusd-set outer l4	5044
tahusd-set outer mpls	5047
tahusd-set outer mpls	5049
tahusd-set pktrw	5051
tahusd-set pktrw	5058
tahusd-set sb_info	5065
tahusd-set sb_info	5068
tahusd-set sideband	5071
tahusd-set sideband	5073
tahusd-set sideband	5075
tahusd-set stats	5077
tahusd-start	5080
tahusd-start	5081
tahusd-start	5082
tahusd-start	5083
tahusd-start	5084
tahusd-start	5085
tahusd-start	5086
tahusd-start	5087
tahusd-start	5088
tahusd-vxlan-parse	5089
tahusd-vxlan-parse	5090
tahusd-vxlan-parse	5091
tahusd-vxlan-parse	5092
tail	5093
tap-aggregation flow-deduplication	5094
tar	5095
tclsh	5096

telsh	5097
tcp-connect	5098
telemetry	5099
telemetry trace redirect telemetry trace	5100
telnet	5101
telnet6	5102
telnet login-attempts	5103
template	5104
template data timeout	5105
template peer-policy	5106
template peer-session	5107
template peer	5108
terminal alias	5109
terminal ask-on-term	5110
terminal color	5111
terminal context management	5112
terminal deep-help	5113
terminal dont-ask	5114
terminal edit-mode vi	5115
terminal event-manager bypass	5116
terminal history no-exec-in-config	5117
terminal history no-exec-in-config	5118
terminal history no-exec-in-config	5119
terminal home	5120
terminal length	5121
terminal length	5122
terminal lock	5123
terminal log-all	5124
terminal log-format compact	5125
terminal no	5126
terminal output xml	5127
terminal output xml	5128
terminal output xml	5129
terminal password	5130

terminal prompt 5131

terminal redirection-mode 5132

terminal session-timeout 5133

terminal sticky-mode 5134

terminal terminal-type 5135

terminal time 5136

terminal tree-update 5137

terminal unlock 5138

terminal verify-only 5139

terminal width 5140

terminal width 5141

threshold-percent 5142

threshold 5143

threshold 5144

threshold high low 5145

time-range 5146

time-stamp hpt 5147

time-stamp hpt device-id 5148

time-stamp hpt utc-offset 5149

time 5150

timeout 5151

timeout 5152

timeout 5153

timer 5154

timer 5155

timer inactivity 5156

timers 5157

timers 5158

timers active-time 5159

timers advertise 5160

timers basic 5161

timers bestpath-defer maximum 5162

timers bestpath-limit 5163

timers bgp 5164

timers lsa-arrival	5165
timers lsa-arrival	5166
timers lsa-group-pacing	5167
timers lsa-group-pacing	5168
timers nsf converge	5169
timers nsf route-hold	5170
timers nsf signal	5171
timers prefix-peer-timeout	5172
timers prefix-peer-wait	5173
timers srgb cleanup	5174
timers srgb retry	5175
timers throttle lsa	5176
timers throttle lsa	5177
timers throttle spf	5178
timers throttle spf	5179
timestamp timestamp	5180
topology	5181
tos	5182
tr	5183
traceroute	5184
traceroute6	5185
traceroute mpls	5186
traceroute nve	5189
traceroute sr-mpls	5191
track-adjacency-next-hop	5194
track	5195
track	5196
track	5197
track	5198
track	5199
track	5200
track	5201
track	5202
track	5203

track 5204

track data 5205

track interface 5206

track interface priority 5207

track running-state track startup-state 5208

tracking enable 5209

traffic-analytics 5210

traffic-class 5211

traffic-engineering 5212

transceiver performance-monitoring 5213

transceiver performance-monitoring fec 5214

transceiver performance-monitoring optics 5217

transmit-delay 5221

transmit-delay 5222

transmit-delay 5223

transport connection-mode passive 5224

transport email 5225

transport email mail-server 5226

transport http proxy enable 5227

transport http proxy server 5228

transport http use-vrf 5229

transport tcp port 5230

transport tls authentication-type trustpoint 5231

transport tls authentication-type trustpoint ignore-certificate 5232

transport udp 5233

transport udp 5234

transport udp 5235

transport udp 5236

transport udp 5237

transport udp 5238

transport udp source-port 5239

trigger init ingress in-select 3 out-select 0 5240

trigger init ingress in-select 3 out-select 03 5241

trigger init ingress in-select 3 out-select 0 reverse 5242

trigger init ingress in-select 3 out-select 1	5243
trigger init ingress in-select 3 out-select 2	5244
trigger init ingress in-select 3 out-select 4	5245
trigger init ingress in-select 3 out-select 5	5246
trigger init ingress in-select 3 out-select 5 reverse	5247
trigger init ingress in-select 4 out-select 0	5248
trigger init ingress in-select 4 out-select 04	5249
trigger init ingress in-select 4 out-select 0 reverse	5250
trigger init ingress in-select 4 out-select 1	5251
trigger init ingress in-select 4 out-select 2	5252
trigger init ingress in-select 4 out-select 3	5253
trigger init ingress in-select 4 out-select 5	5254
trigger init ingress in-select 4 out-select 5 reverse	5255
trigger init ingress in-select 5 out-select 0	5256
trigger init ingress in-select 5 out-select 05	5257
trigger init ingress in-select 5 out-select 05 reverse	5258
trigger init ingress in-select 5 out-select 0 reverse	5259
trigger init ingress in-select 5 out-select 1	5260
trigger init ingress in-select 5 out-select 2	5261
trigger init ingress in-select 5 out-select 3	5262
trigger init ingress in-select 5 out-select 4	5263
trigger init ingress in-select 6 out-select 0	5264
trigger init ingress in-select 6 out-select 0 reverse	5265
trigger init ingress in-select 6 out-select 1	5266
trigger init ingress in-select 6 out-select 2	5267
trigger init ingress in-select 6 out-select 3	5268
trigger init ingress in-select 6 out-select 4	5269
trigger init ingress in-select 6 out-select 5	5270
trigger init ingress in-select 6 out-select 5 reverse	5271
trigger init ingress in-select 7 out-select 0	5272
trigger init ingress in-select 7 out-select 0 reverse	5273
trigger init ingress in-select 7 out-select 1	5274
trigger init ingress in-select 7 out-select 2	5275
trigger init ingress in-select 7 out-select 3	5276

trigger init ingress in-select 7 out-select 4	5277
trigger init ingress in-select 7 out-select 5	5278
trigger init ingress in-select 7 out-select 5 reverse	5279
trigger reset	5280
trigger route download vrf ipv4	5281
trigger tahusd-init	5282
trigger tahusd-init in-select 10	5283
trigger tahusd-init in-select 10 out-select 0	5284
trigger tahusd-init in-select 10 out-select 1	5285
trigger tahusd-init in-select 10 out-select 2	5286
trigger tahusd-init in-select 19	5287
trigger tahusd-init in-select 19 out-select 0	5288
trigger tahusd-init in-select 19 out-select 1	5289
trigger tahusd-init in-select 19 out-select 2	5290
trigger tahusd-init in-select 6	5291
trigger tahusd-init in-select 6 out-select 0	5292
trigger tahusd-init in-select 6 out-select 1	5293
trigger tahusd-init in-select 6 out-select 2	5294
trigger tahusd-init in-select 7	5295
trigger tahusd-init in-select 7 out-select 0	5296
trigger tahusd-init in-select 7 out-select 1	5297
trigger tahusd-init in-select 7 out-select 2	5298
trigger tahusd-init in-select 8	5299
trigger tahusd-init in-select 8 out-select 0	5300
trigger tahusd-init in-select 8 out-select 1	5301
trigger tahusd-init in-select 8 out-select 2	5302
trigger tahusd-init in-select 9	5303
trigger tahusd-init in-select 9 out-select 0	5304
trigger tahusd-init in-select 9 out-select 1	5305
trigger tahusd-init in-select 9 out-select 2	5306
trigger tahusd-init lu-a2d 0	5307
trigger tahusd-init lu-a2d 0 in-select 10 out-select 0	5308
trigger tahusd-init lu-a2d 0 in-select 10 out-select 1	5309
trigger tahusd-init lu-a2d 0 in-select 10 out-select 2	5310

trigger tahusd-init lu-a2d 0 in-select 19 out-select 0	5311
trigger tahusd-init lu-a2d 0 in-select 19 out-select 1	5312
trigger tahusd-init lu-a2d 0 in-select 19 out-select 2	5313
trigger tahusd-init lu-a2d 0 in-select 6 out-select 2	5314
trigger tahusd-init lu-a2d 0 in-select 6 out-select 0	5315
trigger tahusd-init lu-a2d 0 in-select 6 out-select 1	5316
trigger tahusd-init lu-a2d 0 in-select 7 out-select 1	5317
trigger tahusd-init lu-a2d 0 in-select 7 out-select 0	5318
trigger tahusd-init lu-a2d 0 in-select 7 out-select 2	5319
trigger tahusd-init lu-a2d 0 in-select 8 out-select 2	5320
trigger tahusd-init lu-a2d 0 in-select 8 out-select 0	5321
trigger tahusd-init lu-a2d 0 in-select 8 out-select 1	5322
trigger tahusd-init lu-a2d 0 in-select 9 out-select 0	5323
trigger tahusd-init lu-a2d 0 in-select 9 out-select 1	5324
trigger tahusd-init lu-a2d 0 in-select 9 out-select 2	5325
trigger tahusd-init lu-a2d 0 out-select 0	5326
trigger tahusd-init lu-a2d 0 out-select 1	5327
trigger tahusd-init lu-a2d 0 out-select 2	5328
trigger tahusd-init lu-a2d 1	5329
trigger tahusd-init lu-a2d 1 in-select 10	5330
trigger tahusd-init lu-a2d 1 in-select 10 out-select 0	5331
trigger tahusd-init lu-a2d 1 in-select 10 out-select 1	5332
trigger tahusd-init lu-a2d 1 in-select 10 out-select 2	5333
trigger tahusd-init lu-a2d 1 in-select 19	5334
trigger tahusd-init lu-a2d 1 in-select 19 out-select 1	5335
trigger tahusd-init lu-a2d 1 in-select 19 out-select 0	5336
trigger tahusd-init lu-a2d 1 in-select 19 out-select 2	5337
trigger tahusd-init lu-a2d 1 in-select 6	5338
trigger tahusd-init lu-a2d 1 in-select 6 out-select 2	5339
trigger tahusd-init lu-a2d 1 in-select 6 out-select 0	5340
trigger tahusd-init lu-a2d 1 in-select 6 out-select 1	5341
trigger tahusd-init lu-a2d 1 in-select 7	5342
trigger tahusd-init lu-a2d 1 in-select 7 out-select 0	5343
trigger tahusd-init lu-a2d 1 in-select 7 out-select 1	5344

trigger tahud-init lu-a2d 1 in-select 7 out-select 2	5345
trigger tahud-init lu-a2d 1 in-select 8	5346
trigger tahud-init lu-a2d 1 in-select 8 out-select 0	5347
trigger tahud-init lu-a2d 1 in-select 8 out-select 1	5348
trigger tahud-init lu-a2d 1 in-select 8 out-select 2	5349
trigger tahud-init lu-a2d 1 in-select 9	5350
trigger tahud-init lu-a2d 1 in-select 9 out-select 1	5351
trigger tahud-init lu-a2d 1 in-select 9 out-select 0	5352
trigger tahud-init lu-a2d 1 in-select 9 out-select 2	5353
trigger tahud-init out-select 0	5354
trigger tahud-init out-select 1	5355
trigger tahud-init out-select 2	5356
trusted-port	5357
trusted-port	5358
trusted-port	5359
ttag-marker-interval	5360
ttag-marker-interval	5361
ttag-marker enable	5362
ttag-marker enable	5363
ttag-strip	5364
ttag	5365
ttag	5366
ttl-security hops	5367
ttl	5368
tunnel-encryption	5369
tunnel-encryption icv	5370
tunnel-encryption must-secure-policy	5371
tunnel-encryption peer-ip	5372
tunnel-encryption pki source-interface	5373
tunnel-encryption pki sudi	5374
tunnel-encryption policy	5375
tunnel-encryption sak-rekey	5376
tunnel-encryption source-interface	5377
tunnel-profile	5378

tunnel destination	5379
tunnel mode	5380
tunnel path-mtu-discovery	5381
tunnel path-mtu-discovery age-timer	5382
tunnel path-mtu-discovery min-mtu	5383
tunnel source	5384
tunnel ttl	5385
tunnel use-vrf	5386
type	5387
type IGP	5388
type IGP	5389
type layer4-7	5390
type link	5391
type link	5392

CHAPTER 22**U Commands 5393**

ucs-infra ipv6-mgmt-ip	5395
udf	5396
udf mpls stack1	5397
udf netflow-rtp	5398
udld aggressive	5399
udld aggressive	5400
udld aggressive	5401
udld aggressive	5402
udld disable	5403
udld disable	5404
udld enable	5405
udld enable	5406
udld message-time	5407
udld reset	5408
udp-echo	5409
udp-jitter	5410
undebug all	5412
undebug l2rib	5413

unidirectional send 5414

uniq 5415

unmount 5416

unmount slot0 5417

unsuppress-map 5418

untagged cos 5419

update-source 5420

update-source 5421

update license 5422

update license 5423

use-chunking size 5424

use-compression gzip 5425

use-compression gzip 5426

use-nodeid 5427

use-nodeid 5428

use-nodeid 5429

use-retry size 5430

use-vrf 5431

use-vrf 5432

use-vrf 5433

use-vrf 5434

use-vrf 5435

user-jid password 5436

user max-logins 5437

user max-logins 5438

username 5439

username 5440

username 5441

username 5443

username keypair export 5444

username keypair generate 5445

username keypair import 5446

username passphrase 5447

username passphrase 5448

username password	5449
username ssh-cert-dn dsa	5450
username sshkey	5451
userpassphrase	5452
userpassphrase	5453
userpassphrase	5454
userpassphrase min-unique	5455
userpassphrase min-unique	5456
userpassphrase min	5457
userpassphrase min	5458
userpassphrase sequence alphabet	5459
userpassphrase sequence alphabet length	5460
userpassphrase sequence keyboard	5461
userpassphrase sequence keyboard length	5462
userprofile trustedCert CRLLookup user-switch-bind user-certdn-match user-pubkey-match attribute-name search-filter base-DN	5463

CHAPTER 23**V Commands 5465**

vdc	5468
vdc	5469
vdc combined-hostname	5470
vdc suspend	5471
vdc suspend	5472
vdp dot1q default static	5473
vdp dot1q static	5474
vdp vni default static	5475
vdp vni static	5476
verify-data	5477
verify-host	5478
verify	5479
verify profile	5480
verify verbose	5481
version 9	5482
virtual-rmac	5483

virtual-service	5484
virtual-service move name log to	5485
virtual-service reset force	5486
virtual IPv6	5487
virtual ip	5488
virtual peer-link destination source	5489
vlan-consistency-check	5490
vlan-pruning enable	5491
vlan	5492
vlan2	5493
vlan access-map	5494
vlan add	5495
vlan configuration	5496
vlan designated priority	5497
vlan root priority	5498
vmtracker connection	5499
vmtracker connection refresh	5500
vmtracker enable	5501
vmtracker fabric auto-config	5502
vn-segment	5503
vni	5504
vni	5505
vni	5506
vni default dynamic	5507
vni l2	5508
vp-group	5509
vp add interface	5510
vp move interface group	5511
vpc	5512
vpc domain	5513
vpc orphan-port suspend	5514
vpc peer-link	5515
vpc role preempt	5516
vpn	5517

vpn id	5518
vrf	5519
vrf	5520
vrf	5521
vrf	5522
vrf	5523
vrf	5524
vrf	5525
vrf	5526
vrf	5527
vrf	5528
vrf	5529
vrf	5530
vrf	5531
vrf	5532
vrf context	5533
vrf default static	5534
vrf member	5535
vrf member	5536
vrf member	5537
vrf static	5538
vrrp	5539
vrrp bfd	5540
vrrpv2	5541
vrrpv3	5542
vrrpv3 address-family	5543
vrrpv3 address-family	5544
vrrs leader	5545
vrrs pathway	5546
vsh	5547
vtp	5548
vtp domain	5549
vtp file	5550
vtp password	5551

vtp pruning 5552

vtp version 5553

CHAPTER 24**W Commands 5555**

wait-igp-convergence 5556

wait-to-restore 5557

wait-to-restore 5558

wait-to-restore 5559

watch 5560

watch service action apply-acl 5561

watchlist 5562

watchlist 5563

wc 5564

wedge bmc ip-addr 5565

weight 5566

weight 5567

weight 5568

weight 5569

where 5570

where detail 5571

window-size 5572

window-size 5573

wred-queue qos-group-map queue-only 5574

write erase 5575

write erase boot 5576

write erase debug 5577

write erase poap 5578

wrr-queue qos-group-map 5579

wrr unicast-bandwidth 5580

wwn oui 5581

wwn vsan vsan-wwn 5582

CHAPTER 25**X Commands 5583**

xconnect 5584

[xml](#) **5585**
[xml](#) **5586**
[xml server max-session](#) **5587**
[xml server terminate session](#) **5588**
[xml server timeout](#) **5589**
[xml server validate](#) **5590**
[xmlin](#) **5591**
[xmlin](#) **5592**
[xmlin](#) **5593**
[xmlin](#) **5594**
[xmlout](#) **5595**

CHAPTER 26
Z Commands **5597**

[zone-attribute-group clone vsan](#) **5599**
[zone-attribute-group name vsan](#) **5600**
[zone-attribute-group rename vsan](#) **5601**
[zone broadcast enable vsan](#) **5602**
[zone clone vsan](#) **5603**
[zone commit vsan](#) **5604**
[zone compact vsan](#) **5605**
[zone confirm-commit enable vsan](#) **5606**
[zone convert smart-zoning](#) **5607**
[zone convert vsan2](#) **5608**
[zone copy active-zoneset full-zoneset](#) **5609**
[zone copy vsan active-zoneset](#) **5610**
[zone copy vsan active-zoneset full-zoneset](#) **5611**
[zone default-zone permit vsan](#) **5612**
[zone default-zone vsan](#) **5613**
[zone fc2 merge throttle enable](#) **5614**
[zone gs](#) **5615**
[zone merge-control restrict vsan](#) **5616**
[zone mode enhanced vsan](#) **5617**
[zone name](#) **5618**
[zone name vsan](#) **5619**

zone rcs enable	5620
zone rename vsan	5621
zone rscn address-format port	5622
zone smart-zoning enable vsan	5623
zoneset activate name vsan	5624
zoneset activate vsan	5625
zoneset capability change-abort	5626
zoneset capability distribute full	5627
zoneset clone vsan	5628
zoneset distribute full vsan	5629
zoneset distribute vsan	5630
zoneset export vsan	5631
zoneset import interface vsan	5632
zoneset name vsan	5633
zoneset overwrite-control vsan	5634
zoneset rename vsan	5635
zr-optics cd-min cd-max	5636
zr-optics dwdm-carrier 100GHz-grid frequency	5637
zr-optics dwdm-carrier 100MHz-grid frequency	5638
zr-optics dwdm-carrier 50GHz-grid	5639
zr-optics fec muxponder modulation dac-rate	5640
zr-optics transmit-power	5641
zrp-optics cd-min cd-max	5642
zrp-optics dwdm-carrier 100GHz-grid frequency	5643
zrp-optics dwdm-carrier 100MHz-grid frequency	5644
zrp-optics dwdm-carrier 50GHz-grid	5645
zrp-optics fec muxponder modulation dac-rate	5646
zrp-optics transmit-power	5647



Notices

- [Notice, on page 2](#)

Notice



Warning

This document should be used only as a glossary reference for possible commands. The listing of a command in this document does not guarantee that the command is available or supported for your platform or application.

The command information in this reference document is auto-generated from the NX-OS source code. While we attempt to manually remove unsupported, deprecated, or internal-use commands, such commands may occasionally appear in this document. Also, with the large variety of hardware platform combinations using NX-OS software, some listed commands may not be applicable or recommended for a specific platform. Platform-based dependency information is not provided in this command reference.

We strongly encourage you to refer to the configuration guides for appropriate commands to configure and operate a feature. Command limitations, restrictions, and recommendations are documented only in the configuration guides. When in doubt, please consult your Cisco representative.



PART I

All Configuration Commands

- [A Commands, on page 5](#)
- [B Commands, on page 257](#)
- [C Commands, on page 363](#)
- [D Commands, on page 979](#)
- [E Commands, on page 1295](#)
- [F Commands, on page 1455](#)
- [G Commands, on page 1741](#)
- [H Commands, on page 1795](#)
- [I Commands, on page 1957](#)
- [J Commands, on page 2723](#)
- [K Commands, on page 2729](#)
- [L Commands, on page 2763](#)
- [M Commands, on page 3141](#)
- [N Commands, on page 3445](#)
- [O Commands, on page 3599](#)
- [P Commands, on page 3657](#)
- [Q Commands, on page 3951](#)
- [R Commands, on page 3993](#)
- [S Commands, on page 4189](#)
- [T Commands, on page 4945](#)
- [U Commands, on page 5393](#)
- [V Commands, on page 5465](#)
- [W Commands, on page 5555](#)
- [X Commands, on page 5583](#)

- [Z Commands](#), on page 5597



A Commands

- [aaa accounting dot1x default group](#), on page 11
- [aaa authentication dot1x default group](#), on page 12
- [aaa authentication login ascii-authentication](#), on page 13
- [aaa authentication login console](#), on page 14
- [aaa authentication login default](#), on page 16
- [aaa authentication login default fallback error local](#), on page 18
- [aaa authentication login enable](#), on page 19
- [aaa authentication login error-enable](#), on page 20
- [aaa authentication login invalid-username-log](#), on page 21
- [aaa authentication rejected](#), on page 22
- [aaa authentication rejected in ban](#), on page 23
- [aaa authorization commands console](#), on page 24
- [aaa authorization commands default](#), on page 25
- [aaa authorization ssh default group](#), on page 26
- [aaa bypass-user](#), on page 27
- [aaa group server ldap](#), on page 28
- [aaa group server radius](#), on page 29
- [aaa group server tacacs](#), on page 30
- [aaa server radius dynamic-author](#), on page 31
- [aaa user default-role](#), on page 32
- [abort](#), on page 33
- [abort](#), on page 34
- [abort](#), on page 35
- [abort](#), on page 36
- [abort](#), on page 37
- [absolute-timeout](#), on page 38
- [absolute-timer](#), on page 39
- [absolute start](#), on page 40
- [accept-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l](#), on page 41
- [access-class](#), on page 43
- [access-list](#), on page 44
- [access-list ipv6](#), on page 45

- action, on page 46
- action, on page 47
- action, on page 48
- action cli, on page 49
- action collect, on page 50
- action counter name value op, on page 51
- action eem test, on page 52
- action event-default, on page 53
- action forceshut reset-reason, on page 54
- action overbudgetshut, on page 55
- action policy-default, on page 56
- action reload force, on page 57
- action snmp-trap, on page 58
- action syslog msg, on page 59
- activate mode-100M, on page 60
- active-query timer, on page 61
- additional-paths install backup, on page 62
- additional-paths receive, on page 63
- additional-paths selection route-map, on page 64
- additional-paths send, on page 65
- address-family ipv4, on page 66
- address-family ipv4 labeled-unicast, on page 67
- address-family ipv4 labeled-unicast, on page 68
- address-family ipv4 mdt, on page 69
- address-family ipv4 mdt, on page 70
- address-family ipv4 mvpn, on page 71
- address-family ipv4 mvpn, on page 72
- address-family ipv4 unicast, on page 73
- address-family ipv4 unicast, on page 74
- address-family ipv4 unicast, on page 75
- address-family ipv4 unicast, on page 76
- address-family ipv4 unicast, on page 77
- address-family ipv4 unicast, on page 78
- address-family ipv4 unicast, on page 79
- address-family ipv4 unicast, on page 80
- address-family ipv4 unicast, on page 81
- address-family ipv4 unicast, on page 82
- address-family ipv6 labeled-unicast, on page 83
- address-family ipv6 labeled-unicast, on page 84
- address-family ipv6 mvpn, on page 85
- address-family ipv6 mvpn, on page 86
- address-family ipv6 unicast, on page 87
- address-family ipv6 unicast, on page 88
- address-family ipv6 unicast, on page 89
- address-family ipv6 unicast, on page 90
- address-family ipv6 unicast, on page 91

- address-family ipv6 unicast, on page 92
- address-family ipv6 unicast, on page 93
- address-family ipv6 unicast, on page 94
- address-family ipv6 unicast, on page 95
- address-family ipv6 unicast, on page 96
- address-family ipv6 unicast, on page 97
- address-family ipv6 unicast, on page 98
- address-family l2vpn evpn, on page 99
- address-family l2vpn evpn, on page 100
- address-family l2vpn vpls, on page 101
- address-family l2vpn vpls, on page 102
- address-family link-state, on page 103
- address-family link-state, on page 104
- address-family vpv4 unicast, on page 105
- address-family vpv4 unicast, on page 106
- address-family vpv6 unicast, on page 107
- address-family vpv6 unicast, on page 108
- address, on page 109
- address, on page 110
- address, on page 111
- address, on page 112
- address, on page 113
- address, on page 114
- address, on page 115
- address port-number, on page 116
- address primary, on page 117
- address secondary, on page 118
- address secondary, on page 119
- adjacency-check, on page 120
- advertise-gateway, on page 121
- advertise-gw-ip, on page 122
- advertise-labels, on page 123
- advertise-map exist default advertise-map, on page 124
- advertise-pip, on page 125
- advertise-system-mac, on page 126
- advertise evpn multicast, on page 127
- advertise interface, on page 128
- advertise local-labeled-route, on page 129
- advertise passive-only level-1, on page 130
- advertise passive-only level-2, on page 131
- advertise virtual-rmac, on page 132
- advertisement-interval, on page 133
- advertisement-interval, on page 134
- afd queue-desired, on page 135
- affinity-group, on page 136
- affinity-group activate, on page 137

- affinity-map, on page 138
- affinity, on page 139
- affinity, on page 140
- affinity, on page 141
- age, on page 142
- age, on page 143
- aggregate-address, on page 144
- aggregate-address, on page 145
- aigp, on page 146
- air-print helper, on page 147
- alert-group user-def-cmd, on page 148
- alloc mode, on page 149
- alloc mode, on page 150
- allocate-index, on page 151
- allocate-label all, on page 152
- allocate-label option-b, on page 153
- allocate1 interface2, on page 154
- allocate2 fcoe-vlan-range, on page 155
- allocate3 shared interface3, on page 156
- allow-vni-in-ethertag, on page 157
- allow feature-set, on page 158
- allowas-in, on page 159
- allowas-in, on page 160
- allowed-locators, on page 161
- allowed-vlans, on page 162
- amt flush-routes, on page 163
- amt pseudo-interface, on page 164
- analytics, on page 165
- analytics cluster, on page 166
- announce duration, on page 167
- announce duration range, on page 168
- announce interval, on page 169
- announce interval range, on page 170
- anonymous-id, on page 171
- anti-jam disable, on page 172
- ao, on page 173
- app-default-gateway guest-interface, on page 174
- app-default-ipv6-gateway guest-interface, on page 175
- app-hosting appid, on page 176
- app-hosting appid, on page 177
- app-hosting bootflash backend storage limit, on page 178
- app-hosting bridge, on page 179
- app-hosting data appid copy, on page 180
- app-hosting data appid delete, on page 181
- app-hosting install appid package, on page 182
- app-hosting signed-verification disable app-hosting signed-verification enable, on page 183

- [app-hosting upgrade appid package](#), on page 184
- [app-resource docker](#), on page 185
- [app-resource profile custom](#), on page 186
- [app-vnic guest-interface](#), on page 187
- [app-vnic host](#), on page 188
- [apply profile](#), on page 189
- [area authentication](#), on page 190
- [area authentication disable ipsec spi md5 sha1 key-chain](#), on page 191
- [area default-cost](#), on page 192
- [area default-cost](#), on page 193
- [area encryption disable ipsec spi esp 3des aes 128 authentication sha1](#), on page 194
- [area filter-list route-map in](#), on page 196
- [area filter-list route-map in](#), on page 197
- [area nssa](#), on page 198
- [area nssa](#), on page 199
- [area nssa translate type7 always never supress-fa](#), on page 200
- [area nssa translate type7 always never supress-fa](#), on page 201
- [area range](#), on page 202
- [area range](#), on page 203
- [area segment-routing mpls](#), on page 204
- [area sham-link](#), on page 205
- [area stub](#), on page 206
- [area stub](#), on page 207
- [area virtual-link](#), on page 208
- [area virtual-link](#), on page 209
- [area virtual-link](#), on page 210
- [area virtual-link](#), on page 211
- [arp access-list](#), on page 212
- [as-format asdot](#), on page 213
- [as-override](#), on page 214
- [association-group](#), on page 215
- [association-group](#), on page 216
- [attach console module](#), on page 217
- [attach module](#), on page 218
- [attribute-group](#), on page 219
- [attribute-group](#), on page 220
- [attribute-group](#), on page 221
- [auth-mechanism plain](#), on page 222
- [authentication-check](#), on page 223
- [authentication-check](#), on page 224
- [authentication-check level-1](#), on page 225
- [authentication-check level-2](#), on page 226
- [authentication-key](#), on page 227
- [authentication-key](#), on page 228
- [authentication-key](#), on page 229
- [authentication-type cleartext](#), on page 230

- authentication-type cleartext, on page 231
- authentication-type cleartext level-1, on page 232
- authentication-type cleartext level-2, on page 233
- authentication, on page 234
- authentication, on page 235
- authentication, on page 236
- authentication bind, on page 237
- authentication disable ipsec spi md5 sha1 key-chain, on page 238
- authentication ipsec spi md5 sha1 key-chain, on page 239
- authentication key-chain, on page 240
- authentication key-chain, on page 241
- authentication key-chain, on page 242
- authentication key-chain, on page 243
- authentication key-chain, on page 244
- authentication key-chain level-1, on page 245
- authentication key-chain level-2, on page 246
- authentication mode md5, on page 247
- authentication text, on page 248
- auto-cost reference-bandwidth, on page 249
- auto-cost reference-bandwidth, on page 250
- auto-recovery, on page 251
- autonomous-system, on page 252
- autostate, on page 253
- autovlan enable, on page 254
- awk, on page 255

aaa accounting dot1x default group

[no] aaa accounting dot1x default group <grp_name> +

Syntax Description

aaa	Configure aaa functions
accounting	Configure accounting methods
dot1x	accounting methods for dot1x
default	default aaa methods
<i>grp_name</i>	server group name

Command Mode

- /exec/configure

aaa authentication dot1x default group

[no] aaa authentication dot1x default group <grp_name> +

Syntax Description

aaa	Configure aaa functions
authentication	Configure authentication methods
<i>grp_name</i>	server group name

Command Mode

- /exec/configure

aaa authentication login ascii-authentication

[no] aaa authentication login ascii-authentication

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
ascii-authentication	enable ascii authentication

Command Mode

- /exec/configure

aaa authentication login console

```
[no] aaa authentication login console { group <s0> [ { local1 | none | <s1> [ { local1 | none | <s2> [ { local1 | none | <s3> [ { local1 | none | <s4> [ { local1 | none | <s5> [ { local1 | none | <s6> [ { local1 | none | <s7> [ { local1 | none } ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
console	Configure console methods
group	Specify server groups
<i>s0</i>	Server group name
none	(Optional) No authentication
<i>s1</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s2</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s3</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s4</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s5</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s6</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s7</i>	(Optional) Server group name
none	(Optional) No authentication
local	Use local username authentication
local1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

none	No authentication
------	-------------------

Command Mode

- /exec/configure

aaa authentication login default

```
[no] aaa authentication login default { group <s0> [ { local1 | none | <s1> [ { local1 | none | <s2> [ { local1 | none | <s3> [ { local1 | none | <s4> [ { local1 | none | <s5> [ { local1 | none | <s6> [ { local1 | none | <s7> [ { local1 | none } ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
default	Configure default methods
group	Specify server group and maximum number of server groups supported is 8
<i>s0</i>	Server group name
none	(Optional) No authentication
<i>s1</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s2</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s3</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s4</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s5</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s6</i>	(Optional) Server group name
none	(Optional) No authentication
<i>s7</i>	(Optional) Server group name
none	(Optional) No authentication
local	Use local username authentication

local1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
none	No authentication

Command Mode

- /exec/configure

aaa authentication login default fallback error local

[no] aaa authentication login { default | console } fallback error local

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
default	Configure default methods
console	Configure console methods
fallback	Configure fallback behavior
error	Fallback in case all AAA servers configured for remote authentication are unreachable (Authentication error)
local	Fallback to local authentication

Command Mode

- /exec/configure

aaa authentication login enable

[no] aaa authentication login { mschap | mschapv2 | chap } enable

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
mschap	MSCHAP authentication for login
mschapv2	MSCHAP V2 authentication for login
chap	CHAP authentication for login
enable	enable the authentication for login

Command Mode

- /exec/configure

aaa authentication login error-enable

[no] aaa authentication login error-enable

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
error-enable	enable display of error message on login failures

Command Mode

- /exec/configure

aaa authentication login invalid-username-log

[no] aaa authentication login invalid-username-log

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
login	Configure methods for login
invalid-username-log	enable invalid username log

Command Mode

- /exec/configure

aaa authentication rejected

[no] aaa authentication rejected

Syntax Description

no	Negate a command or set its defaults
aaa	Configure aaa functions
authentication	Configure authentication methods
rejected	Set max number of fail attempts

Command Mode

- /exec/configure

aaa authentication rejected in ban

aaa authentication rejected <i1> in <i2> ban <i3>

Syntax Description

aaa	Configure aaa functions
authentication	Configure authentication methods
rejected	Set max number of fail attempts
<i>i1</i>	Fail attempts max value
in	Watch period for fail attempts
<i>i2</i>	Time period in seconds
ban	Block time period
<i>i3</i>	Time period in seconds

Command Mode

- /exec/configure

aaa authorization commands console

```
[no] aaa authorization { commands | config-commands } console { group <s0> [ { local | none | <s1> [ { local | none | <s2> [ { local | none | <s3> [ { local | none | <s4> [ { local | none | <s5> [ { local | none | <s6> [ { local | none | <s7> [ { local | none } ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
commands	Authorization for all exec-mode commands
config-commands	Authorization for config commands
console	Configure methods console
group	Specify server groups
s0	Server group name
s1	(Optional) Server group name
s2	(Optional) Server group name
s3	(Optional) Server group name
s4	(Optional) Server group name
s5	(Optional) Server group name
s6	(Optional) Server group name
s7	(Optional) Server group name
local	(Optional) Use local RBACL based authorization
none	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

aaa authorization commands default

```
[no] aaa authorization { commands | config-commands } default { group <s0> [ { local | none | <s1> [ { local | none | <s2> [ { local | none | <s3> [ { local | none | <s4> [ { local | none | <s5> [ { local | none | <s6> [ { local | none | <s7> [ { local | none } ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] | local | none }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
authorization	Configure authorization methods
commands	Authorization for all exec-mode commands
config-commands	Authorization for config commands
default	Configure default methods
group	Specify server groups
s0	Server group name
s1	(Optional) Server group name
s2	(Optional) Server group name
s3	(Optional) Server group name
s4	(Optional) Server group name
s5	(Optional) Server group name
s6	(Optional) Server group name
s7	(Optional) Server group name
local	(Optional) Use local RBACL based authorization
none	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

aaa bypass-user

[no] aaa bypass-user <s0> { [accounting] [authorization] | [authorization] [accounting] }

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
bypass-user	Configure bypass user
s0	Enter the username
accounting	(Optional) Bypass accounting
authorization	(Optional) Bypass authorization

Command Mode

- /exec/configure

aaa group server ldap

[no] aaa group server ldap <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
group	Configure aaa server group
server	Configure aaa server group
ldap	LDAP server group name
s0	LDAP server group name

Command Mode

- /exec/configure

aaa group server radius

[no] aaa group server radius <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
group	Configure aaa server group
server	Configure aaa server group
radius	RADIUS server group name
s0	RADIUS server group name

Command Mode

- /exec/configure

aaa group server tacacs

[no] aaa group server tacacs <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
group	Configure aaa server group
server	Configure aaa server group
tacacs	TACACS+ server group name
s0	TACACS+ server group name

Command Mode

- /exec/configure

aaa server radius dynamic-author

[no] aaa server radius dynamic-author

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
server	Local AAA server
radius	Profile for local radius server
dynamic-author	Local server profile for RFC 5176 support

Command Mode

- /exec/configure

aaa user default-role

[no] aaa user default-role

Syntax Description

no	(Optional) Negate a command or set its defaults
aaa	Configure aaa functions
user	Remotely authenticated user
default-role	Default role assigned by aaa-admin for remote authentication

Command Mode

- /exec/configure

abort

abort

Syntax Description

abort	Exit region configuration mode, aborting changes
-------	--

Command Mode

- /exec/configure/spanning-tree/mst/configuration

abort

abort [session]

Syntax Description

abort	Abort the current configuration session
session	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

abort

abort

Syntax Description

abort	abort epbr session
-------	--------------------

Command Mode

- /exec/configure/epbr-sess

abort

abort

Syntax Description

abort	Abort the current configuration session
-------	---

Command Mode

- /exec/configure

abort

abort

Syntax Description

abort	abort itd session
-------	-------------------

Command Mode

- /exec/configure/itd-session-device-group

absolute-timeout

{ absolute-timeout <i0> | no absolute-timeout [<i0>] }

Syntax Description

no	Negate a command or set its defaults
absolute-timeout	Configure absolute timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

Command Mode

- /exec/configure/line

absolute-timer

{ [no] absolute-timer <time> | no absolute-timer }

Syntax Description

absolute-timer	Define a De-Dup absolute timer
<i>time</i>	Time in minutes

Command Mode

- /exec/configure/de-duplication

absolute start

```
{ [ <seqno> ] | no } absolute { start <stime> <sday> <smonth> <syear> [ end <etime> <eday> <emonth> <eyear> ] | end <etime> <eday> <emonth> <eyear> }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
absolute	Absolute time and date
start	Starting time and date
<i>stime</i>	Starting time
<i>sday</i>	Day of the month
<i>smonth</i>	Month
<i>syear</i>	Year
end	(Optional) Ending time and date
<i>etime</i>	(Optional) Ending time
<i>eday</i>	(Optional) Day of the month
<i>emonth</i>	(Optional) Month
<i>eyear</i>	(Optional) Year

Command Mode

- /exec/configure/timerange

accept-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l

```
{ { accept-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no accept-lifetime [ [ local ] <stime>
{ smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i |
smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b
| emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
accept-lifetime	Set accept lifetime of key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

accept-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
 emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to start
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

Command Mode

- /exec/configure/keychain-key

access-class

[no] access-class <acl-ip-ipv6-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
access-class	Specify IPv4 access control for packets
<i>acl-ip-ipv6-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/line

access-list

```
[no] access-list <acl-name> [ device-group <dgrp_name> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	ITD access-list name
device-group	(Optional) device-group
<i>acl-name</i>	ITD user ACL name
<i>dgrp_name</i>	(Optional) access-list device-group name

Command Mode

- /exec/configure/itd

access-list ipv6

[no] access-list ipv6 <acl-name> [device-group <dgrp_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
access-list	ITD access-list name
ipv6	ipv6 access-list
device-group	(Optional) device-group
<i>acl-name</i>	ITD user ACL name
<i>dgrp_name</i>	(Optional) access-list ipv6 device-group name

Command Mode

- /exec/configure/itd

action

[no] { { { action <route-action> } | { reverse-action <rev-route-action> } } + }

Syntax Description

no	(Optional) Negate a command or set its defaults
action	route action for forward traffic
<i>route-action</i>	route action options
reverse-action	route action for reverse traffic
<i>rev-route-action</i>	route action options

Command Mode

- /exec/configure/config-epbr-svc-chain/seq

action

[no] action <label>

Syntax Description

no	Negate a command or set its defaults
action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9

Command Mode

- /exec/configure/event-manager-applet

action

[no] action { drop [log] | forward | redirect <intf> }

Syntax Description

no	(Optional) Negate a command or set its defaults
action	Specify the action clause
drop	Drop matched packets
log	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
forward	Forward matched packets
redirect	Redirect matched packets to the specified interface(s)
<i>intf</i>	Interface traffic is redirected to

Command Mode

- /exec/configure/vacl

action cli

action <label> cli [local] <vsh_cmd>

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
cli	Configure a VSH CLI action
local	(Optional) Execute the action in the same card on which the event happens
<i>vsh_cmd</i>	Enter the vsh command

Command Mode

- /exec/configure/event-manager-applet

action collect

```
action <label> collect { { <yaml_file> [ max-triggers <m_value> | rate-limit <value> | purge-time <p_value>
] + <component> } | disable }
```

Syntax Description

<code>action</code>	Configure the actions to be executed
<code>label</code>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
<code>collect</code>	Collect debugging info using a yaml file
<code>yaml_file</code>	Enter the YAML input file or folder inside which yaml files are present. The path/name has to be relative to bootflash:scripts
<code>max-triggers</code>	(Optional) Limit number of triggers
<code>m_value</code>	(Optional) Enter the value in integer
<code>rate-limit</code>	(Optional) Limit trigger based collection for a period of time
<code>value</code>	(Optional) Enter value in seconds
<code>purge-time</code>	(Optional) Change the time period for which older files are purged
<code>p_value</code>	(Optional) Enter purge time value in minutes
<code>component</code>	Enter the component for tech-support collection
<code>disable</code>	Disable the trigger based collection

Command Mode

- /exec/configure/event-manager-applet

action counter name value op

action <label> counter name <counter-name> value <counter-value> op <op-val>

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
counter	Specify the name of the counter
name	Specify the name of the counter
<i>counter-name</i>	Name of the counter
value	Specify the value to be applied to the counter
<i>counter-value</i>	Enter an integer value or a \$ prefixed name (parameter substitution)
op	Specify the operator to be applied
<i>op-val</i>	Enter the value of the operator

Command Mode

- /exec/configure/event-manager-applet

action eem test

action <label> eem test <param>

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
eem	Event Manager command
test	Do test action
<i>param</i>	Test action parameter (dummy value)

Command Mode

- /exec/configure/event-manager-applet

action event-default

action <label> event-default

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
event-default	Do default action for the event

Command Mode

- /exec/configure/event-manager-applet

action forceshut reset-reason

```
[no] action <label2> forceshut [ { module { <module> | <mod-str> } | <s0> { <santa-cruz-range> | <santa-cruz-string> } } ] reset-reason <reset_reason_string>
```

Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
<i>label2</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
forceshut	Force the entire switch to shut down
module	(Optional) Optional. Module to be forced to shut down(optional argument)
<i>module</i>	(Optional) please enter the module number
<i>mod-str</i>	(Optional) Enter the module number (integer value) or a \$ prefixed parameter name
<i>s0</i>	(Optional) Optional. Xbar to be forced to shut down(optional argument)
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
<i>santa-cruz-string</i>	(Optional) Enter the xbar number (integer value) or a \$ prefixed parameter name
reset-reason	Shut down (with reset-reason)
<i>reset_reason_string</i>	please enter reset_reason_string in quotes

Command Mode

- /exec/configure/event-manager-applet

action overbudgetshut

[no] action <label> overbudgetshut [module { <module> | <mod-str> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
overbudgetshut	Shut down the specified LCs due to power over budget
module	(Optional) Optional. Module to be force-shut(optional arg)
<i>module</i>	(Optional) please enter the module number
<i>mod-str</i>	(Optional) Enter the module number (integer value) or a \$ prefixed parameter name

Command Mode

- /exec/configure/event-manager-applet

action policy-default

action <label> policy-default

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
policy-default	Do default action(s) of the policy being overridden

Command Mode

- /exec/configure/event-manager-applet

action reload force

[no] action <label> reload [module { <module> | <mod-str> }] force

Syntax Description

no	(Optional) Negate a command or set its defaults
action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
reload	Reload the system or a specific module
module	(Optional) Reload a specific module
force	reload without prompting
<i>module</i>	(Optional) please enter the module number
<i>mod-str</i>	(Optional) Enter the module number (integer value) or a \$ prefixed parameter name

Command Mode

- /exec/configure/event-manager-applet

action snmp-trap

action <label> snmp-trap [intdata1 <integer-data1>] [intdata2 <integer-data2>] [strdata <string-data>]

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
snmp-trap	Send
intdata1	(Optional) Enter
<i>integer-data1</i>	(Optional) Integer
intdata2	(Optional) Enter
<i>integer-data2</i>	(Optional) Integer
strdata	(Optional) Enter
<i>string-data</i>	(Optional) String

Command Mode

- /exec/configure/event-manager-applet

action syslog msg

action <label> syslog [priority { <prio> | <prio-str> }] msg <msg-text>

Syntax Description

action	Configure the actions to be executed
<i>label</i>	Enter the label <num1>[.<num2>] for action order num2 must be 0-9
syslog	Generate a syslog message
priority	(Optional) Priority of the syslog message
<i>prio</i>	(Optional) Enter the priority
<i>prio-str</i>	(Optional) Enter a valid \$ prefixed name, for parameter substitution
msg	Enter the message for the syslog
<i>msg-text</i>	The message text

Command Mode

- /exec/configure/event-manager-applet

activate mode-100M

[no] activate mode-100M

Syntax Description

no	(Optional) Negate a command or set its defaults
activate	Activate new mode
mode-100M	Activate mode-100M

Command Mode

- /exec/configure

active-query timer

{ active-query timer <interval> | no active-query timer }

Syntax Description

no	Negate a command or set its defaults
active-query	mDNS Active Query on vlan
timer	Active Query Timer value
<i>interval</i>	Active Query Timer value in seconds

Command Mode

- /exec/configure/vlan-config/mdns-sd

additional-paths install backup

[no] additional-paths install backup

Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
install	Install backup path
backup	Install backup path

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6
/exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4

additional-paths receive

[no] additional-paths receive

Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
receive	Additional paths Receive capability

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-vpn4 /exec/configure/router-bgp/router-bgp-af-vpn6 /exec/configure/router-bgp/router-bgp-af-ipv4-label /exec/configure/router-bgp/router-bgp-af-ipv6-label /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

additional-paths selection route-map

[no] additional-paths selection route-map <rmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
selection	Additional paths selection
route-map	Route-map for additional paths selection
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-vpnv4
/exec/configure/router-bgp/router-bgp-af-vpnv6 /exec/configure/router-bgp/router-bgp-af-ipv6-label
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn
/exec/configure/router-bgp/router-bgp-af-ipv4-label /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

additional-paths send

[no] additional-paths send

Syntax Description

no	(Optional) Negate a command or set its defaults
additional-paths	Additional paths configuration
send	Additional paths Send capability

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4
/exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-af-ipv6-label
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn
/exec/configure/router-bgp/router-bgp-af-ipv4-label /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

address-family ipv4

[no] address-family ipv4

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family

Command Mode

- /exec/configure/config-sr-mpls/config-sr-mpls-conn-pfxsid

address-family ipv4 labeled-unicast

[no] address-family ipv4 labeled-unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
labeled-unicast	Configure labeled unicast sub-address-family

Command Mode

- /exec/configure/router-bgp

address-family ipv4 labeled-unicast

{ [no | default] } address-family ipv4 labeled-unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv4	Configure IPv4 address-family
labeled-unicast	Configure labeled unicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv4 mdt

[no] address-family ipv4 mdt

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mdt	Configure Multicast Distribution Tree

Command Mode

- /exec/configure/router-bgp

address-family ipv4 mdt

{ [no | default] } address-family ipv4 mdt

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mdt	Configure Multicast Distribution Tree

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv4 mvpn

{ [no | default] } address-family ipv4 mvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mvpn	Configure Multicast VPN

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv4 mvpn

[no] address-family ipv4 mvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mvpn	Configure Multicast VPN

Command Mode

- /exec/configure/router-bgp

address-family ipv4 unicast

[no] { address-family ipv4 unicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure Address Family and its parameters
ipv4	Configure IPv4 Address Family parameters
unicast	Unicast

Command Mode

- /exec/configure/mpls_static

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-rip

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-rip/router-rip-vrf

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common

address-family ipv4 unicast

[no] address-family ipv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure address family
ipv4	Configure IPv4 address family
unicast	Configure Unicast address family

Command Mode

- /exec/configure/vrf

address-family ipv4 unicast

[no] address-family ipv4 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

Command Mode

- /exec/configure/router-bgp

address-family ipv4 unicast

[no] address-family ipv4 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

address-family ipv4 unicast

{ [no | default] } address-family ipv4 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv4	Configure IPv4 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv4 unicast

[no | default] address-family ipv4 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv4	Configure IPv4 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-neighbor
- /exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

address-family ipv6 labeled-unicast

{ [no | default] } address-family ipv6 labeled-unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv6	Configure IPv6 address-family
labeled-unicast	Configure labeled unicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv6 labeled-unicast

[no] address-family ipv6 labeled-unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
labeled-unicast	Configure labeled unicast sub-address-family

Command Mode

- /exec/configure/router-bgp

address-family ipv6 mvpn

[no] address-family ipv6 mvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
mvpn	Configure Multicast VPN

Command Mode

- /exec/configure/router-bgp

address-family ipv6 mvpn

{ [no | default] } address-family ipv6 mvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
mvpn	Configure Multicast VPN

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-rip

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-rip/router-rip-vrf

address-family ipv6 unicast

[no] { address-family ipv6 unicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure Address Family and its parameters
ipv6	Configure IPv6 Address Family parameters
unicast	Unicast

Command Mode

- /exec/configure/mpls_static

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure IPv6 unicast address-family

Command Mode

- /exec/configure/router-ospf3

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure IPv6 unicast address-family

Command Mode

- /exec/configure/router-ospf3/vrf

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common

address-family ipv6 unicast

[no] address-family ipv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure address family
ipv6	Configure IPv6 address family
unicast	Configure Unicast address family

Command Mode

- /exec/configure/vrf

address-family ipv6 unicast

[no] address-family ipv6 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

Command Mode

- /exec/configure/router-bgp

address-family ipv6 unicast

[no] address-family ipv6 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
ipv6	Configure IPv6 address-family
unicast	Configure unicast address-family
multicast	Configure multicast address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

address-family ipv6 unicast

```
{ [ no | default ] } address-family ipv6 { unicast | multicast }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv6	Configure IPv6 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family ipv6 unicast

[no | default] address-family ipv6 { unicast | multicast }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
ipv6	Configure IPv6 address-family
unicast	Configure Unicast sub-address-family
multicast	Configure Multicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-neighbor
- /exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

address-family l2vpn evpn

[no] address-family l2vpn evpn

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
evpn	Configure L2VPN EVPN address-family

Command Mode

- /exec/configure/router-bgp

address-family l2vpn evpn

{ [no | default] } address-family l2vpn evpn

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
evpn	Configure L2VPN EVPN address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family l2vpn vpls

{ [no | default] } address-family l2vpn vpls

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
vpls	Configure L2VPN VPLS address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family l2vpn vpls

[no] address-family l2vpn vpls

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
l2vpn	Configure L2VPN address-family
vpls	Configure L2VPN VPLS address-family

Command Mode

- /exec/configure/router-bgp

address-family link-state

[no] address-family link-state

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
link-state	Configure link-state address-family

Command Mode

- /exec/configure/router-bgp

address-family link-state

{ [no | default] } address-family link-state

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family
link-state	Configure link-state address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family vpnv4 unicast

{ [no | default] } address-family vpnv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
vpnv4	Configure IPv4 VPN address-family
unicast	Configure Unicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family vpnv4 unicast

[no] address-family vpnv4 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
vpnv4	Configure IPv4 VPN address-family
unicast	Configure Unicast sub-address-family

Command Mode

- /exec/configure/router-bgp

address-family vpnv6 unicast

{ [no | default] } address-family vpnv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
address-family	Configure an address-family for peer
vpnv6	Configure IPv6 VPN address-family
unicast	Configure Unicast sub-address-family

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

address-family vpnv6 unicast

[no] address-family vpnv6 unicast

Syntax Description

no	(Optional) Negate a command or set its defaults
address-family	Configure an address-family
vpnv6	Configure IPv6 VPN address-family
unicast	Configure Unicast sub-address-family

Command Mode

- /exec/configure/router-bgp

address

[no] address <ip_addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address configuration
<i>ip_addr</i>	IP Address

Command Mode

- /exec/configure/if-eth-any/vrrs

address

address { <ctrl-ip> } | no address [<ctrl-ip>]

Syntax Description

no	Negate a command or set its defaults
address	Controller Address
<i>ctrl-ip</i>	Controller IPv4 address

Command Mode

- /exec/configure/service-export

address

[no] address <start-ip> <end-ip>

Syntax Description

no	(Optional) Negate a command or set its defaults
address	Address range for the pool
<i>start-ip</i>	Start IP address
<i>end-ip</i>	End IP address

Command Mode

- /exec/configure/ipnat-pool

address

{ address <ip_address> | no address [<ip_address>] }

Syntax Description

no	Negate a command or set its defaults
address	Add an IP address to the vr
<i>ip_address</i>	ip address

Command Mode

- /exec/configure/if-eth-any/vrrp

address

[no] address <ip_addr> [primary]

Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address
primary	(Optional) Primary Address
<i>ip_addr</i>	IPv4 Address

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv4

address

[no] address <ipv6_addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv6

address

[no] address <ipv6_addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address configuration

Command Mode

- /exec/configure/if-eth-any/vrrs

address port-number

address { <ipv4-addr> | <ipv6-addr> } port-number <port-number> | no address

Syntax Description

no	Negate a command or set its defaults
address	Configure IPv4 or IPv6 address
<i>ipv4-addr</i>	IPv4 address of the BMP server
port-number	Configure the port for the BMP server
<i>port-number</i>	Port number value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

address primary

[no] address <ipv6_addr> primary

Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address
primary	Primary Address

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv6

address secondary

[no] address <ip_addr> secondary

Syntax Description

no	(Optional) Negate a command or set its defaults
address	IP Address
secondary	Secondary Address
<i>ip_addr</i>	IPv4 Address

Command Mode

- /exec/configure/if-eth-any/vrrpv3_ipv4

address secondary

{ address <ip_address> secondary | no address <ip_address> secondary }

Syntax Description

no	Negate a command or set its defaults
address	Add an IP address to the vr
<i>ip_address</i>	ip address
secondary	a virtual IP address without owner

Command Mode

- /exec/configure/if-eth-any/vrrp

adjacency-check

[no] adjacency-check

Syntax Description

no	(Optional) Negate a command or set its defaults
adjacency-check	Adjacency's protocol support consistency check

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

advertise-gateway

[no] advertise-gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-gateway	Advertise Gateway Mode

Command Mode

- /exec/configure/if-vlan/hybrid

advertise-gw-ip

[no | default] advertise-gw-ip

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
advertise-gw-ip	Advertise Gateway IP in Type-5 routes to neighbor

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn

advertise-labels

```
[no] advertise-labels [ vrf { <vrf-name> | <vrf-known-name> } ] [ [ for <pfx-list> [ to <peer-pfx-list> ] ] ] [ interface <intf> ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-labels	Label advertisements
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
for	(Optional) Prefix list specifying controls on destination prefixes
<i>pfx-list</i>	(Optional) Name of prefix list
to	(Optional) Prefix list specifying controls on LDP peers
<i>peer-pfx-list</i>	(Optional) Name of prefix list
interface	(Optional) Advertise /32 interface address
<i>intf</i>	(Optional)

Command Mode

- /exec/configure/ldp

advertise-map exist default advertise-map

```
{ [ no ] advertise-map <advrt-rmap-name> { exist-map | non-exist-map } <cond-rmap-name> } | default
advertise-map
```

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Inherit values from a peer template
advertise-map	Specify route-map for conditional advertisement
exist-map	Condition route-map to advertise only when prefix in condition exists
non-exist-map	Condition route-map to advertise only when prefix in condition does not exist
<i>advrt-rmap-name</i>	Route-map name
<i>cond-rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

advertise-pip

[no] advertise-pip

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-pip	advertise physical ip for type-5 route

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

advertise-system-mac

[no] advertise-system-mac

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise-system-mac	Advertise extra EVPN RT-2 with system MAC

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

advertise evpn multicast

[no] advertise evpn multicast

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Advertise L2 multicast capability
evpn	evpn
multicast	L2 multicast

Command Mode

- /exec/configure

advertise interface

[no] advertise interface <interface> [<level>]

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Advertise interface IP
interface	Advertise interface IP
<i>interface</i>	Interface to advertise
<i>level</i>	(Optional) IS-IS level

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

advertise local-labeled-route

[no | default] advertise local-labeled-route

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
advertise	Advertise to peer
local-labeled-route	Advertise a route with local label to peer

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af

advertise passive-only level-1

[no] advertise passive-only level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Control what we advertise in our LSP
passive-only	Advertise prefixes of passive interfaces only
level-1	Advertise prefixes of passive interfaces only on level-1

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

advertise passive-only level-2

[no] advertise passive-only level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Control what we advertise in our LSP
passive-only	Advertise prefixes of passive interfaces only
level-2	Advertise prefixes of passive interfaces only on level-2

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

advertise virtual-rmac

[no] advertise virtual-rmac

Syntax Description

no	(Optional) Negate a command or set its defaults
advertise	Reachability advertisement
virtual-rmac	Advertise virtual RMAC capability

Command Mode

- /exec/configure/if-nve

advertisement-interval

advertisement-interval <adv-sec> | { no | default } advertisement-interval [<adv-sec>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
advertisement-interval	Minimum interval between sending BGP routing updates
<i>adv-sec</i>	Time in seconds

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6

advertisement-interval

```
{ advertisement-interval <interval_time> | no advertisement-interval [ <interval_time> ] }
```

Syntax Description

no	Negate a command or set its defaults
advertisement-interval	Set the time interval between advertisement
<i>interval_time</i>	Time interval (in seconds) between advertisements

Command Mode

- /exec/configure/if-eth-any/vrrp

afd queue-desired

[no] afd queue-desired <q-desired> { bytes | kbytes | mbytes } [ecn]

Syntax Description

no	(Optional) Negate a command or set its defaults
afd	Configure AFD parameters
queue-desired	Specify Queue Desired for AFD
bytes	Bytes
kbytes	Kilo bytes
mbytes	Mega bytes
ecn	(Optional) ECN

Command Mode

- /exec/configure/policy-map/type/queuing/class

affinity-group

```
{ affinity-group <affinity_group_id> } | { { no | default } affinity-group [ <affinity_group_id> ] }
```

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
affinity-group	Configure an affinity group
<i>affinity_group_id</i>	Affinity Group ID

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

affinity-group activate

affinity-group activate <affinity_group_id> | no affinity-group activate [<affinity_group_id>]

Syntax Description

no	Negate a command or set its defaults
affinity-group	Configure an affinity group
activate	Activate the affinity group
<i>affinity_group_id</i>	AFFINITY Group ID

Command Mode

- /exec/configure/router-bgp

affinity-map

[no] affinity-map

Syntax Description

no	(Optional) Negate a command or set its defaults
affinity-map	Configure Affinity map

Command Mode

- /exec/configure/sr/te

affinity

[no] affinity

Syntax Description

no	(Optional) Negate a command or set its defaults
affinity	Configure Affinity Constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint

affinity

[no] affinity

Syntax Description

no	(Optional) Negate a command or set its defaults
affinity	Configure Affinity Constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint

affinity

[no] affinity

Syntax Description

no	(Optional) Negate a command or set its defaults
affinity	Specify the interface affinities

Command Mode

- /exec/configure/sr/te/if

age

{ [no] age <age> | no age }

Syntax Description

age	Provide the age value for this INT flow-profile
<i>age</i>	flow-profile age (seconds). Default is 30.

Command Mode

- /exec/configure/config-int-flow-prof

age

{ [no] age <age> | no age }

Syntax Description

age	Provide the age value for this POSTCARD flow-profile
<i>age</i>	flow-profile age (seconds). Default is 30.

Command Mode

- /exec/configure/config-postcard-flow-prof

aggregate-address

[no] aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } [as-set | summary-only | suppress-map <suppress-rmap> | advertise-map <advertise-rmap> | attribute-map <attribute-rmap>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
aggregate-address	Configure BGP aggregate prefixes
<i>ip-addr</i>	Aggregate address
<i>ip-mask</i>	Aggregate mask
<i>ip-prefix</i>	Aggregate prefix
summary-only	(Optional) Don't advertise more specifics
as-set	(Optional) Generate AS-SET information
suppress-map	(Optional) Conditionally filter more specific routes
advertise-map	(Optional) Select attribute information from specific routes
attribute-map	(Optional) Set attribute information of aggregate
<i>advertise-rmap</i>	(Optional) Route-map name
<i>suppress-rmap</i>	(Optional) Route-map name
<i>attribute-rmap</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4

aggregate-address

[no] aggregate-address <ipv6-prefix> [as-set | summary-only | suppress-map <suppress-rmap> | advertise-map <advertise-rmap> | attribute-map <attribute-rmap>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
aggregate-address	Configure BGP aggregate IPv6 prefixes
as-set	(Optional) Generate AS-SET information
summary-only	(Optional) Don't advertise more specifics
suppress-map	(Optional) Conditionally filter more specific routes
advertise-map	(Optional) Select attribute information from specific routes
attribute-map	(Optional) Set attribute information of aggregate
<i>advertise-rmap</i>	(Optional) Route-map name
<i>suppress-rmap</i>	(Optional) Route-map name
<i>attribute-rmap</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

aigp

[no | default] aigp

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
aigp	Enable AIGP

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6
/exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
/exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6

air-print helper

[no] air-print helper

Syntax Description

no	(Optional) Negate a command or set its defaults
air-print	Airprint Helper functionality - enabling sub-PTR functionality
helper	Airprint Helper functionality - enabling sub-PTR functionality

Command Mode

- /exec/configure/mdns-sd

alert-group user-def-cmd

```
{ alert-group { Configuration | Diagnostic | Environmental | Inventory | License | Linecard-Hardware |
Supervisor-Hardware | Syslog-group-port | System | Test } [ index <i0> ] user-def-cmd <s0> | no alert-group
{ Configuration | Diagnostic | Environmental | Inventory | License | Linecard-Hardware | Supervisor-Hardware
| Syslog-group-port | System | Test } index <i0> }
```

Syntax Description

no	Negate a command or set its defaults
alert-group	alert group
user-def-cmd	configure a cli command for an alert group
index	(Optional) configure an index(1 to 5) for the cli command for the alert group
<i>i0</i>	(Optional) Index between 1 to 5 associate with cli command for an alert group
<i>s0</i>	A valid CLI command
Environmental	Power,fan,temperature related events
Inventory	Inventory status events
License	Events related to licensing
Linecard-Hardware	Linecard related events
Supervisor-Hardware	Supervisor related events
Syslog-group-port	Events related to syslog messages filed by port manager
System	Software related events
Test	User generated test events
Configuration	Events related to Configuration
Diagnostic	Events related to Diagnostic

Command Mode

- /exec/configure/callhome

alloc mode

[no] alloc mode <sid-alloc-mode>

Syntax Description

no	(Optional) Negate a command or set its defaults
alloc	Sid allocation parameters
mode	Specify sid allocation mode
<i>sid-alloc-mode</i>	

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af/router-bgp-vrf-af-srv6
/exec/configure/router-bgp/router-bgp-af/router-bgp-af-srv6

alloc mode

[no] alloc mode <sid-alloc-mode>

Syntax Description

no	(Optional) Negate a command or set its defaults
alloc	Sid allocation parameters
mode	Specify sid allocation mode
<i>sid-alloc-mode</i>	

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf/router-bgp-vrf-srv6 /exec/configure/router-bgp/router-bgp-srv6

allocate-index

{ allocate-index <id> } | { no allocate-index [<id>] }

Syntax Description

no	Unconfigure allocate-index
allocate-index	Configure allocate-index
<i>id</i>	Specify allocate-index

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

allocate-label all

[no] allocate-label { all | route-map <rmap-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
allocate-label	Configure label allocation for this AF
all	Allocate labels for all routes
route-map	Allocate labels for selected routes
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-af-ipv4

allocate-label option-b

[no] allocate-label option-b

Syntax Description

no	(Optional) Negate a command or set its defaults
allocate-label	Allow allocation of labels
option-b	Allow allocation of option B labels

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

allocate1 interface2

```
allocate1 interface2 { <interface-id> [ force ] | unallocated-interfaces }
```

Syntax Description

allocate1	Assign interfaces to vdc
interface2	Assign interface range to vdc
<i>interface-id</i>	Assign interface range to vdc
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
unallocated-interfaces	Best-effort trying to move all interfaces in the unallocated pool into this vdc

Command Mode

- /exec/configure/vdc

allocate2 fcoe-vlan-range

```
{ allocate2 fcoe-vlan-range [ <vlan_range> ] [ from vdc <vdc_names> ] } | { no allocate2 fcoe-vlan-range [ <vlan_range> | { from vdc <vdc_names> } ] }
```

Syntax Description

no	Negate a command or set its defaults
allocate2	Assign interfaces to vdc
fcoe-vlan-range	vlan reserved for FCoE
<i>vlan_range</i>	(Optional) vlans reserved for FCoE
from	(Optional) which vdc will be sharing ports with the FCoE vdc
vdc	(Optional) which vdc will be sharing ports with the FCoE vdc
<i>vdc_names</i>	(Optional) which vdc will be sharing port with the FCoE vdc

Command Mode

- /exec/configure/vdc

allocate3 shared interface3

[no] allocate3 shared interface3 <interface-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
allocate3	Assign interfaces to vdc
interface3	Assign interface range to vdc
<i>sinterface-id</i>	Assign interface range to vdc
shared	Shared this port using the reserved FCoE vlans

Command Mode

- /exec/configure/vdc

allow-vni-in-ethertag

[no] allow-vni-in-ethertag

Syntax Description

no	(Optional) Negate a command or set its defaults
allow-vni-in-ethertag	Allow VNI in Ethernet Tag field in EVPN route

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

allow feature-set

[no] allow feature-set <fs>

Syntax Description

no	(Optional) Negate a command or set its defaults
allow	Used to change permissions inside a vdc
feature-set	Change which feature-sets the user is able to enable inside the vdc
<i>fs</i>	installed feature-sets

Command Mode

- /exec/configure/vdc

allows-in

[no | default] allows-in [<allows-in-cnt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
allows-in	Accept as-path with my AS present in it
<i>allows-in-cnt</i>	(Optional) Number of occurrences of AS number, default is 3

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

allowas-in

[no | default] allowas-in [<allowas-in-cnt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
allowas-in	Accept as-path with my AS present in it
<i>allowas-in-cnt</i>	(Optional) Number of occurrences of AS number, default is 3

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

allowed-locators

```
{ [ no ] allowed-locators { <rloc> | <rloc6> } + }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
allowed-locators	List of locators from LISP site
<i>rloc</i>	IPv4 locator allowed in registered locator-set

Command Mode

- /exec/configure/lisp-site /exec/configure/vrf/lisp-site

allowed-vlans

allowed-vlans { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all }

Syntax Description

allowed-vlans	Set list of allowed vlans that can be used for interface configuration
<i>allow-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
add	add VLANs to the current list
<i>add-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
except	all VLANs except the following
<i>except-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
all	all VLANs

Command Mode

- /exec/configure/vmt-conn

amt flush-routes

[no] amt flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
amt	AMT global configuration commands
flush-routes	Remove routes when restarting AMT

Command Mode

- /exec/configure /exec/configure/vrf

amt pseudo-interface

```
{ { amt pseudo-interface <interface> } | { no amt pseudo-interface [ <interface> ] } }
```

Syntax Description

no	Negate a command or set its defaults
amt	AMT global configuration commands
pseudo-interface	Tunnel to relay for forwarding IGMP/MLD messages
<i>interface</i>	Interface name to be used for AMT pseudo interface

Command Mode

- /exec/configure /exec/configure/vrf

analytics

[no] analytics

Syntax Description

analytics	Analytics configurations in netflow and analytics mode
-----------	--

Command Mode

- /exec/configure

analytics cluster

[no] analytics cluster <clustername> [vrf <vrfName>] [srcIf <src_intf>]

Syntax Description

no	(Optional) Negate a command or set its defaults
analytics	Feature Analytics
cluster	Analytics cluster
<i>clustername</i>	Cluster name
vrf	(Optional) VRF Name
<i>vrfName</i>	(Optional) VRF name
srcIf	(Optional) Source Interface
<i>src_intf</i>	(Optional) Source Interface

Command Mode

- /exec/configure

announce duration

[no] announce duration <sec> [renew-offset <off>]

Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
duration	session duration
renew-offset	(Optional) session duration renewal offset
<i>sec</i>	seconds
<i>off</i>	(Optional) offset

Command Mode

- /exec/configure/ptp-ucast-nego-schema

announce duration range

[no] announce duration range <min> <max>

Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
duration	session duration
range	range of acceptable values
<i>min</i>	minimum in seconds
<i>max</i>	maximum in seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

announce interval

[no] announce interval <intv>

Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
interval	interval
<i>intv</i>	log seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

announce interval range

[no] announce interval range <min> <max>

Syntax Description

no	(Optional) Negate a command or set its defaults
announce	announce
interval	interval
range	range of acceptable values
<i>min</i>	minimum in log seconds
<i>max</i>	maximum in log seconds

Command Mode

- /exec/configure/ptp-ucastr-nego-schema

anonymous-id

{ [no] anonymous-id <id> }

Syntax Description

anonymous-id	anonymous identity associated with this profile
<i>id</i>	identity name

Command Mode

- /exec/configure/dot1x-cred

anti-jam disable

[no] anti-jam disable

Syntax Description

no	(Optional) Negate a command or set its defaults
anti-jam	Anti-jam mode configuration
disable	Disable anti-jam mode

Command Mode

- /exec/configure/gnss-if

ao

```
ao <keychain-name> [ include-tcp-options ] [ accept-ao-mismatch-connections ] | { no | default } ao [
<keychain-name> [ include-tcp-options ] ]
```

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
ao	Configure TCP-AO authentication
<i>keychain-name</i>	Key chain name
include-tcp-options	(Optional) Include tcp options
accept-ao-mismatch-connections	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

app-default-gateway guest-interface

```
{ app-default-gateway <ip-addr> guest-interface <interface-id> | no app-default-gateway [ <ip-addr> [
guest-interface <interface-id> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
app-default-gateway	Application default-gateway
<i>ip-addr</i>	Application default-gateway
guest-interface	guest-interface
<i>interface-id</i>	Guest interface number in range of 0..3

Command Mode

- /exec/configure/app-hosting-appid

app-default-ipv6-gateway guest-interface

```
{ app-default-ipv6-gateway <ipv6-addr> guest-interface <interface-id> | no app-default-ipv6-gateway [ <ipv6-addr> [ guest-interface <interface-id> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
app-default-ipv6-gateway	Application default-ipv6-gateway
guest-interface	guest-interface
<i>interface-id</i>	Guest interface number in range of 0..3

Command Mode

- /exec/configure/app-hosting-appid

app-hosting appid

app-hosting { activate | start | stop | deactivate | uninstall } appid <app-hosting-appid>

Syntax Description

app-hosting	app-hosting exec actions
activate	Activate the Application
start	Start the Application
stop	Stop the Application
deactivate	Deactivate the Application
uninstall	Uninstall the Application
appid	Application ID
<i>app-hosting-appid</i>	AppId name

Command Mode

- /exec

app-hosting appid

[no] app-hosting appid <app-hosting-appid>

Syntax Description

no	(Optional) Negate a command or set its defaults
app-hosting	app-hosting
appid	app-hosting appid submode
<i>app-hosting-appid</i>	Enter Application Name

Command Mode

- /exec/configure

app-hosting bootflash backend storage limit

```
{ app-hosting bootflash backend storage limit <size> | no app-hosting bootflash backend storage limit [ <size> ] }
```

Syntax Description

no	Negate a command or set its defaults
app-hosting	app-hosting
bootflash	bootflash
backend	backend
storage	storage
limit	limit
<i>size</i>	size in MB

Command Mode

- /exec/configure

app-hosting bridge

[no] app-hosting bridge <bridge-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
app-hosting	app-hosting feature configuration
bridge	app-hosting bridge submode
<i>bridge-id</i>	Bridge index

Command Mode

- /exec/configure

app-hosting data appid copy

app-hosting data appid <app-hosting-appid> copy <src-file> <dst-file>

Syntax Description

app-hosting	app-hosting exec actions
data	Application data
appid	Application ID
<i>app-hosting-appid</i>	AppId name
copy	Copy file
<i>src-file</i>	Source file
<i>dst-file</i>	Destination file

Command Mode

- /exec

app-hosting data appid delete

app-hosting data appid <app-hosting-appid> delete <dst-file>

Syntax Description

app-hosting	app-hosting exec actions
data	Application data
appid	Application ID
<i>app-hosting-appid</i>	AppId name
delete	Delete file
<i>dst-file</i>	Destination file

Command Mode

- /exec

app-hosting install appid package

app-hosting install appid <app-hosting-appid> package <uri>

Syntax Description

app-hosting	app-hosting exec actions
install	Install the Application
appid	Application ID
<i>app-hosting-appid</i>	AppId name
package	Package tarball
<i>uri</i>	Package tarball

Command Mode

- /exec

app-hosting signed-verification disable app-hosting signed-verification enable

[no] app-hosting signed-verification disable | app-hosting signed-verification enable

Syntax Description

no	(Optional) Negate a command or set its defaults
app-hosting	app-hosting
signed-verification	Signature verification for app-hosting application
disable	disable package signing
enable	enable package signing (default)

Command Mode

- /exec/configure

app-hosting upgrade appid package

app-hosting upgrade appid <app-hosting-appid> package <uri> [no-recover]

Syntax Description

app-hosting	app-hosting exec actions
upgrade	Upgrade the Application
appid	Application ID
<i>app-hosting-appid</i>	AppId name
package	Package tarball
<i>uri</i>	Package tarball
no-recover	(Optional) bypass removal of read-only layers

Command Mode

- /exec

app-resource docker

[no] app-resource docker

Syntax Description

no	(Optional) Negate a command or set its defaults
app-resource	Application resources
docker	Application docker options

Command Mode

- /exec/configure/app-hosting-appid

app-resource profile custom

[no] app-resource profile custom

Syntax Description

no	(Optional) Negate a command or set its defaults
app-resource	Application resources
profile	Application profile name
custom	custom

Command Mode

- /exec/configure/app-hosting-appid

app-vnic guest-interface

```
{ app-vnic { management | gateway bridge <bridge-id> } guest-interface <interface-id> | no app-vnic {
management | gateway [ bridge <bridge-id> ] } [ guest-interface <interface-id> ] }
```

Syntax Description

no	Negate a command or set its defaults
app-vnic	Virtual Network Interface
management	management
gateway	bridge for gateway
bridge	bridge for gateway
<i>bridge-id</i>	bridge for gateway
guest-interface	guest-interface
<i>interface-id</i>	Guest interface number in range of 0..3

Command Mode

- /exec/configure/app-hosting-appid

app-vnic host

[no] app-vnic host

Syntax Description

no	(Optional) Negate a command or set its defaults
app-vnic	Virtual Network Interface
host	host network

Command Mode

- /exec/configure/app-hosting-appid

apply profile

```
[no] apply profile { <all_conf_profile_name> } [ include-profile <include-profile> ] [ { param-instance <plistinst> | include-instance <plistinst> } + ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
apply	Apply a config-profile
profile	Apply a config-profile
<i>all_conf_profile_name</i>	Enter the name of the profile
param-instance	(Optional) Enter the name of the param-instance
<i>plistinst</i>	(Optional) Enter the name of the instance
include-profile	(Optional) Enter the name of the include profile
<i>include-profile</i>	(Optional) Enter the name of the include profile
include-instance	(Optional) Enter the param-instance corresponding to the first included profile
<i>plistinst</i>	(Optional) Enter the name of the include instance

Command Mode

- /exec/configure

area authentication

[no] area <area-id-ip> authentication [message-digest]

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
authentication	Enable authentication for the area
message-digest	(Optional) Use message-digest authentication

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area authentication disable ipsec spi md5 sha1 key-chain

```
{ [ no ] area <area-id-ip> authentication { disable | ipsec spi <spi_id> { md5 <akey> | sha1 <akey> | key-chain <keychain_ah> } } } | { no area <area-id-ip> authentication { disable | ipsec spi <spi_id> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

area default-cost

```
{ { area <area-id-ip> default-cost <cost> } | { no area <area-id-ip> default-cost [ <cost> ] } }
```

Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
default-cost	Specify default-cost for default inter-area-prefix LSA
<i>cost</i>	Cost value

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

area default-cost

```
{ { area <area-id-ip> default-cost <cost> } | { no area <area-id-ip> default-cost [ <cost> ] } }
```

Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
default-cost	Specify default-cost for default summary LSA
<i>cost</i>	Cost value

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area encryption disable ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] area <area-id-ip> encryption { disable | ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication { sha1 <akey> | null } } } | { [ no ] area <area-id-ip> encryption ipsec spi <spi_id> esp key-chain <keychain_enc> authentication { key-chain <keychain_ah> | null } } | { [ no ] area <area-id-ip> encryption ipsec spi <spi_id> esp null authentication { sha1 <akey> | key-chain <keychain_ah> } } } | { no area <area-id-ip> encryption ipsec spi <spi_id> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
encryption	Enable Encryption on all Interface belong to this Area
disable	Disable Encryption
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

area filter-list route-map in

```
{ area <area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } { in | out } } | { no area
<area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } [ in | out ] }
```

Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
route-map	Name of filter policy
<i>policy-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy
in	Filter networks sent to this area
out	Filter networks sent from this area

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

area filter-list route-map in

```
{ area <area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } { in | out } } | { no area
<area-id-ip> filter-list route-map { <policy-name> | <rtr_pol_name> } [ in | out ] }
```

Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
route-map	Name of filter policy
<i>policy-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy
in	Filter networks sent to this area
out	Filter networks sent from this area

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area nssa

[no] area <area-id-ip> nssa { [no-summary] [no-redistribution] [default-information-originate [route-map <policy-name>]] } +

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
no-summary	(Optional) Do not send summary LSAs into NSSA area
no-redistribution	(Optional) Do not send redistributed LSAs into NSSA area
default-information-originate	(Optional) Originate Type-7 default LSA into NSSA area
route-map	(Optional) Policy to control distribution of default route
<i>policy-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area nssa

[no] area <area-id-ip> nssa { [no-summary] [no-redistribution] [default-information-originate [route-map <policy-name>]] } +

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
no-summary	(Optional) Do not send summary LSAs into NSSA area
no-redistribution	(Optional) Do not send redistributed LSAs into NSSA area
default-information-originate	(Optional) Originate Type-7 default LSA into NSSA area
route-map	(Optional) Policy to control distribution of default route
<i>policy-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

area nssa translate type7 always never supress-fa

```
{ area <area-id-ip> nssa translate type7 { always [ supress-fa ] | never | supress-fa } } | { no area <area-id-ip>
nssa translate type7 [ always [ supress-fa ] | never | supress-fa ] }
```

Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
translate	Translate LSA
type7	From Type 7 to Type 5
always	Always translate LSAs
never	Never translate LSAs
supress-fa	(Optional) Supress forwarding address in translated LSAs

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area nssa translate type7 always never supress-fa

```
{ area <area-id-ip> nssa translate type7 { always [ supress-fa ] | never | supress-fa } } | { no area <area-id-ip>
nssa translate type7 [ always [ supress-fa ] | never | supress-fa ] }
```

Syntax Description

no	Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
nssa	Configure area as NSSA
translate	Translate LSA
type7	From NSSA-external (Type 7) to AS-external (Type 5)
always	Always translate LSAs
never	Never translate LSAs
supress-fa	(Optional) Supress forwarding address in translated LSAs

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

area range

[no] area <area-id-ip> range { <ip-dest> <ip-mask> | <ip-prefix> } { [not-advertise] [cost <conf-cost>] }
+

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
range	Configure an address range for an area
<i>ip-dest</i>	IP prefix format: i.i.i.i
<i>ip-mask</i>	IP network mask format: m.m.m.m
<i>ip-prefix</i>	IP prefix format: x.x.x.x/ml
not-advertise	(Optional) Suppress advertising the specified range
cost	(Optional) Cost to use for range
<i>conf-cost</i>	(Optional) Cost value

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area range

[no] area <area-id-ip> range <ipv6-prefix> { [not-advertise] [cost <conf-cost>] } +

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
range	Configure an address range for an area
not-advertise	(Optional) Suppress advertising the specified range
cost	(Optional) Cost to use for range
<i>conf-cost</i>	(Optional) Cost value

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

area segment-routing mpls

[no] area <area-id-ip> segment-routing { mpls | disable }

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
segment-routing	Segment routing parameters
disable	Disable segment routing in area
mpls	Enable segment routing MPLS in area

Command Mode

- /exec/configure/router-ospf

area sham-link

[no] area <area-id-ip> sham-link <source-address> <dest-address>

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
sham-link	Define a sham link and its parameters
<i>source-address</i>	IP addr associated with sham-link source
<i>dest-address</i>	IP addr associated with sham-link destination

Command Mode

- /exec/configure/router-ospf/vrf

area stub

[no] area <area-id-ip> stub [no-summary]

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
stub	Configure area as a stub
no-summary	(Optional) Prevent ABR from sending summary LSAs into stub area

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

area stub

[no] area <area-id-ip> stub [no-summary]

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
stub	Configure area as a stub
no-summary	(Optional) Prevent ABR from sending summary LSAs into stub area

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

Command Mode

- /exec/configure/router-ospf

area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

Command Mode

- /exec/configure/router-ospf3

area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

Command Mode

- /exec/configure/router-ospf3/vrf

area virtual-link

[no] area <area-id-ip> virtual-link <routerid>

Syntax Description

no	(Optional) Negate a command or set its defaults
area	Configure area properties
<i>area-id-ip</i>	Area Id as an integer or ip address
virtual-link	Define a virtual link and its parameters
<i>routerid</i>	Router ID associated with virtual link neighbor

Command Mode

- /exec/configure/router-ospf/vrf

arp access-list

[no] arp access-list <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
arp	ARP access-list configuration commands
access-list	Configure access list
<i>name</i>	List name

Command Mode

- /exec/configure

as-format asdot

as-format asdot | no as-format

Syntax Description

no	Negate a command or set its defaults
as-format	Configure the router's Autonomous system number (ASN) notation
asdot	Specifies the Autonomous system number (ASN) notation to asdot format

Command Mode

- /exec/configure

as-override

[no | default] as-override

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
as-override	Override matching AS-number while sending update

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn

association-group

[no] association-group

Syntax Description

no	(Optional) Negate a command or set its defaults
association-group	Candidate path association group

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint

association-group

[no] association-group

Syntax Description

no	(Optional) Negate a command or set its defaults
association-group	Candidate path association group

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint

attach console module

attach console module <module>

Syntax Description

attach	Connect to a specific linecard
console	Connect to the console
module	Connect to the module console
<i>module</i>	Enter module number

Command Mode

- /exec

attach module

attach module <module>

Syntax Description

attach	Connect to a specific linecard
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

attribute-group

[no] attribute-group <*s0*>

Syntax Description

no	(Optional) Negate a command or set its defaults
attribute-group	Attach attribute group
<i>s0</i>	Enter the name of attribute-group

Command Mode

- /exec/configure/zoneset/zone

attribute-group

[no] attribute-group

Syntax Description

no	(Optional) Negate a command or set its defaults
attribute-group	Define attribute-group for default-zone

Command Mode

- /exec/configure/default-zone

attribute-group

[no] attribute-group <*s0*>

Syntax Description

no	(Optional) Negate a command or set its defaults
attribute-group	Attach attribute group
<i>s0</i>	Enter the name of attribute-group

Command Mode

- /exec/configure/zone

auth-mechanism plain

[no] auth-mechanism { plain }

Syntax Description

no	(Optional) Negate a command or set its defaults
auth-mechanism	Set the authentication mechanism
plain	Set the authentication mechanism as plain(default)

Command Mode

- /exec/configure/ldap

authentication-check

[no] authentication-check

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

authentication-check

[no] authentication-check

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

authentication-check level-1

[no] authentication-check level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's
level-1	Specify authentication check for level-1 LSP, CSNP and PSNP

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

authentication-check level-2

[no] authentication-check level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-check	Check authentication on received LSP/CSNP/PSNP's
level-2	Specify authentication check for level-2 LSP, CSNP and PSNP

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

authentication-key

{ { authentication-key <key> } | { no authentication-key [<key>] } }

Syntax Description

no	Negate a command or set its defaults
authentication-key	Configure the authentication key for the sham-link
<i>key</i>	Authentication key

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

authentication-key

```
{ { authentication-key <key> } | { no authentication-key [ <key> ] } }
```

Syntax Description

no	Negate a command or set its defaults
authentication-key	Configure the authentication key for the virtual-link
<i>key</i>	Authentication key

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

authentication-key

{ [no] authentication-key <key> }

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-key	Authentication key used by LISP site
<i>key</i>	SHA-1 password

Command Mode

- /exec/configure/lisp-site /exec/configure/vrf/lisp-site

authentication-type cleartext

```
{ authentication-type { cleartext | md5 } | no authentication-type [ { cleartext | md5 } ] }
```

Syntax Description

no	Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

authentication-type cleartext

```
{ authentication-type { cleartext | md5 } | no authentication-type [ { cleartext | md5 } ] }
```

Syntax Description

no	Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

authentication-type cleartext level-1

[no] authentication-type { cleartext | md5 } level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5
level-1	Specify authentication type for level-1 LSP, CSNP and PSNP

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

authentication-type cleartext level-2

[no] authentication-type { cleartext | md5 } level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication-type	Set authentication type
cleartext	Cleartext
md5	HMAC-MD5
level-2	Specify authentication type for level-2 LSP, CSNP and PSNP

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

authentication

[no] authentication [message-digest | null]

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Authentication on the slink
message-digest	(Optional) Use message-digest authentication
null	(Optional) Use null(disable) authentication

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

authentication

```
authentication { [ text ] <secret> | md5 { key-chain <chain-name> | key-string [ 0 | 7 ] <key-name> [
compatibility ] [ timeout <sec> ] } } | no authentication
```

Syntax Description

no	Negate a command or set its defaults
authentication	Authentication
text	(Optional) Plain text authentication
<i>secret</i>	Plain text authentication string
md5	Use MD5 authentication
key-chain	Set key chain
<i>chain-name</i>	Name of key-chain
key-string	Set key string
0	(Optional) Specifies an UNENCRYPTED key string will follow
7	(Optional) Specifies a HIDDEN key string will follow
<i>key-name</i>	Key string (64 chars max)
compatibility	(Optional) Operate in compatibility mode for MD5 type-7 authentication
timeout	(Optional) Set timeout
<i>sec</i>	(Optional) (0-32767)Timeout until only accepting new key (seconds)

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

authentication

[no] authentication [message-digest | null]

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Authentication on the vlink
message-digest	(Optional) Use message-digest authentication
null	(Optional) Use null(disable) authentication

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

authentication bind

[no] authentication { bind-first [append-with-basedn <s1>] | compare [password-attribute <s0>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Set the authentication method
bind-first	Set the authentication method to bind-first
append-with-basedn	(Optional) Change the default value (cn=\$userid)
<i>s1</i>	(Optional) append with dn value
compare	Change the default attribute
password-attribute	(Optional) Change the default password attribute (userPassword)
<i>s0</i>	(Optional) password attribute

Command Mode

- /exec/configure/ldap

authentication disable ipsec spi md5 sha1 key-chain

```
{ [ no ] authentication { disable | ipsec spi <spi_id> { md5 <akey> | sha1 <akey> | key-chain <keychain_ah> } } } | { no authentication { disable | ipsec spi <spi_id> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name

Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

authentication ipsec spi md5 sha1 key-chain

```
{ [ no ] authentication { ipsec spi <spi_id> { md5 <akey> | sha1 <akey> | key-chain <keychain_ah> } } } | {
no authentication ipsec spi <spi_id> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Enable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

authentication key-chain

```
{ authentication key-chain <keychain> } | { no authentication key-chain [ <keychain> ] }
```

Syntax Description

no	Negate a command or set its defaults
authentication	Authentication on the vlink
key-chain	Authentication password key-chain
<i>keychain</i>	Key-chain name

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

authentication key-chain

[no] authentication key-chain <chain>

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Configures EIGRP authentication subcommands
key-chain	key-chain
<i>chain</i>	name of key-chain

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

authentication key-chain

```
{ authentication key-chain <keychain> } | { no authentication key-chain [ <keychain> ] }
```

Syntax Description

no	Negate a command or set its defaults
authentication	Authentication on the slink
key-chain	Authentication password key-chain
<i>keychain</i>	Key-chain name

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

authentication key-chain

```
{ authentication key-chain <auth-keychain> | no authentication key-chain [ <auth-keychain> ] }
```

Syntax Description

no	Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

authentication key-chain

{ authentication key-chain <auth-keychain> | no authentication key-chain [<auth-keychain>] }

Syntax Description

no	Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

authentication key-chain level-1

[no] authentication key-chain <auth-keychain> level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain
level-1	Specify authentication key for level-1 LSP, CSNP and PSNP

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

authentication key-chain level-2

[no] authentication key-chain <auth-keychain> level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Set authentication keychain string
key-chain	Set authentication keychain string
<i>auth-keychain</i>	authentication keychain
level-2	Specify authentication key for level-2 LSP, CSNP and PSNP

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

authentication mode md5

[no] authentication mode md5

Syntax Description

no	(Optional) Negate a command or set its defaults
authentication	Configures EIGRP authentication subcommands
mode	mode
md5	Keyed message digest

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

authentication text

```
{ authentication text <authentication_pwd> | no authentication [ text <authentication_pwd> ] }
```

Syntax Description

no	Negate a command or set its defaults
authentication	Select authentication method
text	Set the authentication password (8 char max)
<i>authentication_pwd</i>	

Command Mode

- /exec/configure/if-eth-any/vrrp

auto-cost reference-bandwidth

auto-cost reference-bandwidth { <ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps } | no auto-cost reference-bandwidth [<ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps]

Syntax Description

no	Negate a command or set its defaults
auto-cost	Calculate OSPFv3 cost according to bandwidth
reference-bandwidth	Reference bandwidth used to assign OSPFv3 cost
Mbps	(Optional) Specify rate in Mbps
Gbps	Specify rate in Gbps
<i>ref-bw-mbps</i>	Rate in Mbps (bandwidth) (Default)
<i>ref-bw-gbps</i>	Rate in Gbps (bandwidth)

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

auto-cost reference-bandwidth

auto-cost reference-bandwidth { <ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps } | no auto-cost reference-bandwidth [<ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps]

Syntax Description

no	Negate a command or set its defaults
auto-cost	Calculate OSPF cost according to bandwidth
reference-bandwidth	Reference bandwidth used to assign OSPF cost
Mbps	(Optional) Specify rate in Mbps
Gbps	Specify rate in Gbps
<i>ref-bw-mbps</i>	Rate in Mbps (bandwidth) (Default)
<i>ref-bw-gbps</i>	Rate in Gbps (bandwidth)

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

auto-recovery

auto-recovery [reload-delay <time-out>] | no auto-recovery [reload-delay <time-out>]

Syntax Description

no	Negate a command or set its defaults
auto-recovery	vPC settings to enable auto recovery if peer is presumed non-operational
reload-delay	(Optional) Duration to wait before assuming peer dead and restoring vpcs
<i>time-out</i>	(Optional) Time-out for restoring vPC links (in seconds)

Command Mode

- /exec/configure/vpc-domain

autonomous-system

{ { autonomous-system <local-as> } | { no autonomous-system [<local-as>] } }

Syntax Description

no	Negate a command or set its defaults
autonomous-system	Specify AS number for Address Family
<i>local-as</i>	Local AS number

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

autostate

[no] autostate

Syntax Description

no	(Optional) Negate a command or set its defaults
autostate	Enable or disable autostate for interface-vlan

Command Mode

- /exec/configure/if-vlan

autovlan enable

[no] autovlan enable

Syntax Description

no	(Optional) Negate a command or set its defaults
autovlan	Automatic creation/deletion of VLANs
enable	Enable auto creation/deletion of VLANs

Command Mode

- /exec/configure/vmt-conn

awk

| awk <expr>

Syntax Description

	Pipe command output to filter
awk	Mini AWK
<i>expr</i>	Edition command (script)

Command Mode

- /output



B Commands

- [backoff](#), on page 260
- [bandwidth](#), on page 261
- [bandwidth](#), on page 262
- [bandwidth](#), on page 263
- [bandwidth](#), on page 264
- [bandwidth](#), on page 265
- [bandwidth](#), on page 266
- [bandwidth kbps mbps gbps](#), on page 267
- [bandwidth kbps mbps gbps](#), on page 268
- [banner exec](#), on page 269
- [banner motd](#), on page 270
- [bcm-shell module](#), on page 271
- [bcm-shell module](#), on page 272
- [beacon](#), on page 273
- [begin exclude include end](#), on page 274
- [bestpath](#), on page 275
- [bestpath origin-as allow invalid](#), on page 276
- [bestpath origin-as use-validity](#), on page 277
- [bfd](#), on page 278
- [bfd](#), on page 279
- [bfd](#), on page 280
- [bfd](#), on page 281
- [bfd](#), on page 282
- [bfd](#), on page 283
- [bfd](#), on page 284
- [bfd](#), on page 285
- [bfd](#), on page 286
- [bfd authentication interop](#), on page 287
- [bfd authentication key-id key](#), on page 288
- [bfd echo-interface](#), on page 289
- [bfd echo-rx-interval](#), on page 290
- [bfd echo](#), on page 291
- [bfd hw-offload](#), on page 292

- bfd interval, on page 293
- bfd interval, on page 294
- bfd interval min_rx multiplier, on page 295
- bfd interval min_rx multiplier, on page 296
- bfd local-address, on page 297
- bfd multihop authentication key-id key, on page 298
- bfd multihop interval, on page 299
- bfd multihop interval min_rx multiplier, on page 300
- bfd multihop interval min_rx multiplier, on page 301
- bfd optimize subinterface, on page 302
- bfd per-link, on page 303
- bfd slow-timer, on page 304
- bfd startup-timer bfd startup-timer, on page 305
- bfshell, on page 306
- bfshell cmd, on page 307
- bfshell module, on page 308
- bfshell module cmd, on page 309
- binary-location, on page 310
- bind interface, on page 311
- bind mac-address, on page 312
- blink, on page 313
- bloggerd auto-collect component, on page 314
- bloggerd clear evtlog stats, on page 315
- bloggerd live-process-core sap, on page 316
- bloggerd log-dump all, on page 317
- bloggerd log-dump once log-buffer sap, on page 318
- bloggerd log-dump once log-buffer sap event-history, on page 319
- bloggerd log-dump once pss uuid, on page 320
- bloggerd log-snapshot, on page 321
- bloggerd log-throttle, on page 322
- bloggerd log-transfer, on page 323
- bloggerd log-transfer, on page 324
- bloggerd parse log-buffer file, on page 325
- bloggerd parse log-buffer file sap, on page 326
- bloggerd parse pss file, on page 327
- bloggerd reparse log-profile, on page 328
- bmp-activate-server, on page 329
- bmp-server, on page 330
- boot-order, on page 331
- boot, on page 332
- boot aci, on page 333
- boot auto-copy, on page 334
- boot fex, on page 335
- boot kickstart, on page 336
- boot mode docker_cluster, on page 337
- boot mode lxc, on page 338

- [boot nxos](#), on page 339
- [boot nxos sup-1](#), on page 340
- [boot nxos sup-1 sup-2](#), on page 341
- [boot nxos sup-2](#), on page 342
- [boot order bootflash](#), on page 343
- [boot order pxe](#), on page 344
- [boot poap enable](#), on page 345
- [boot system](#), on page 346
- [broadcast](#), on page 347
- [broadcast](#), on page 348
- [buffer-boost](#), on page 349
- [buffer-delete](#), on page 350
- [buffer-drop collector](#), on page 351
- [buffer-drop monitor](#), on page 352
- [buffer-drop system monitor](#), on page 353
- [buffer-latency collector](#), on page 354
- [buffer-latency monitor](#), on page 355
- [buffer-latency record](#), on page 356
- [buffer-latency system monitor](#), on page 357
- [buffer-latency threshold](#), on page 358
- [buffer-move](#), on page 359
- [burst-detect active-queue-percentage](#), on page 360
- [burst-detect enable](#), on page 361
- [burst-detect rise-threshold bytes fall-threshold bytes2](#), on page 362

backoff

backoff <initial-backoff> <maximum-backoff> | no backoff

Syntax Description

no	Negate a command or set its defaults
backoff	Set LDP session backoff parameters
<i>initial-backoff</i>	Initial session backoff time (seconds)
<i>maximum-backoff</i>	Maximum session backoff time (seconds)

Command Mode

- /exec/configure/ldp

bandwidth

```
bandwidth { <bandwidth_val> | inherit [ <inherit_val> ] } | no bandwidth { [ <bandwidth_val> ] | inherit [ <inherit_val> ] }
```

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
<i>bandwidth_val</i>	Bandwidth in kilobits
inherit	Specify that bandwidth is inherited
<i>inherit_val</i>	(Optional) Bandwidth in kilobits

Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-ethernet-p2p /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-remote-ethernet-sub

bandwidth

bandwidth <bandwidth_val> | no bandwidth

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
<i>bandwidth_val</i>	Bandwidth in kilobits

Command Mode

- /exec/configure/if-any-tunnel

bandwidth

[no] bandwidth { { xxx <bw-value> [bps | kbps | mbps | gbps] | percent <percentage> } | { remaining percent <rem-perc> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
bandwidth	Specify bandwidth for the class
xxx	xxx
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
percent	Percentage of available bandwidth
<i>percentage</i>	Value in percentage
remaining	% of remaining bandwidth
<i>rem-perc</i>	Value in percentage

Command Mode

- /exec/configure/policy-map/type/queuing/class

bandwidth

bandwidth <bandwidth_val> | no bandwidth

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
<i>bandwidth_val</i>	Bandwidth in kilobits

Command Mode

- /exec/configure/if-vlan-common

bandwidth

```
bandwidth { <bandwidth_val> | inherit [ <inherit_val> ] } | no bandwidth { [ <bandwidth_val> ] | inherit [ <inherit_val> ] }
```

Syntax Description

no	Negate a command or set its defaults
bandwidth	Set bandwidth informational parameter
inherit	Specify that bandwidth is inherited

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-port-channel-range
/exec/configure/if-port-channel-sub /exec/configure/if-eth-port-channel-switch
/exec/configure/if-eth-port-channel-p2p

bandwidth

[no] bandwidth { { <bw-value> [bps | kbps | mbps | gbps] | percent <percentage> } | { remaining percent <rem-perc> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
bandwidth	Specify bandwidth for the class
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
percent	Percentage of available bandwidth
<i>percentage</i>	Value in percentage
remaining	% of remaining bandwidth
<i>rem-perc</i>	Value in percentage

Command Mode

- /exec/configure/policy-map/type/plc/class

bandwidth kbps mbps gbps

```
{ { bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { dscp <dscp_val> } } | { no
{ bandwidth | dscp } }
```

Syntax Description

no	Negate a command or set its defaults
bandwidth	Bandwidth per flow
<i>val_kbps</i>	Per Flow Bandwidth in Kbps
kbps	Bandwidth value in Kbps
<i>val_mbps</i>	Per Flow Bandwidth in Mbps
mbps	Bandwidth value in Mbps
<i>val_gbps</i>	Per Flow Bandwidth in Gbps
gbps	Bandwidth value in Gbps
dscp	DSCP per flow
<i>dscp_val</i>	Per Flow DSCP

Command Mode

- /exec/configure/nbm-flow-policy/attr

bandwidth kbps mbps gbps

```
{ { bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { dscp <dscp_val> } } | { no
{ bandwidth | dscp } }
```

Syntax Description

no	Negate a command or set its defaults
bandwidth	Bandwidth per flow
<i>val_kbps</i>	Per Flow Bandwidth in Kbps
kbps	Bandwidth value in Kbps
<i>val_mbps</i>	Per Flow Bandwidth in Mbps
mbps	Bandwidth value in Mbps
<i>val_gbps</i>	Per Flow Bandwidth in Gbps
gbps	Bandwidth value in Gbps
dscp	DSCP per flow
<i>dscp_val</i>	Per Flow DSCP

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy/attr

banner exec

{ banner exec <lineNo> } | { no banner exec }

Syntax Description

no	Negate a command or set its defaults
banner	Configure banner message
exec	Configure banner exec message
<i>lineNo</i>	Delimiter char (first char is delimiter char) followed by message ending with delimiter

Command Mode

- /exec/configure

banner motd

{ banner motd <line> } | { no banner motd }

Syntax Description

no	Negate a command or set its defaults
banner	Configure banner message
motd	Configure banner motd message
<i>line</i>	Delimiter char (Very first char is delimiter char) followed by message ending with delimiter

Command Mode

- /exec/configure

bcm-shell module

bcm-shell module <module> <quoted-cmd>

Syntax Description

bcm-shell	bcm shell/cmd
module	Module number of the linecard
<i>module</i>	Enter module number
<i>quoted-cmd</i>	the command to run on bcm-shell

Command Mode

- /exec

bcm-shell module

bcm-shell module <module>

Syntax Description

bcm-shell	bcm shell/cmd
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

beacon

[no] beacon

Syntax Description

no	(Optional) Negate a command or set its defaults
beacon	Disable/enable the beacon for an interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

begin exclude include end

| { begin | exclude | include | end } [-i | -x] + <expr> [next <num> | prev <num>] +

Syntax Description

	Pipe command output to filter
begin	Begin with the line that matches
exclude	Exclude lines that match
include	Include lines that match
end	End with the line that matches
-i	(Optional) Ignore case difference when comparing strings
-x	(Optional) Print only lines where the match is a whole line
<i>expr</i>	Search for the expression
next	(Optional) Print <num> lines of context after every matching line
prev	(Optional) Print <num> lines of context before every matching line
<i>num</i>	(Optional) Print <num> lines of context

Command Mode

- /output

bestpath

[no] bestpath { always-compare-med | med { missing-as-worst | non-deterministic | confed } | compare-routerid | compare-neighborid | cost-community ignore | as-path { multipath-relax | ignore } | igp-metric ignore | aigp ignore }

Syntax Description

no	(Optional) Negate a command or set its defaults
bestpath	Change default bestpath selection algorithm
always-compare-med	Compare MED on paths from different AS
med	MED
missing-as-worst	Treat missing MED as highest MED
non-deterministic	Not always pick the best-MED path among paths from same AS
compare-routerid	Compare router-id for identical EBGp paths
compare-neighborid	When more paths available than max path config, use neighborid tbreaker
cost-community	cost community
ignore	Ignore cost communities in bestpath selection
confed	Compare MED only from paths originated from within a confederation
as-path	AS-Path
multipath-relax	Relax AS-Path restriction when choosing multipaths
ignore	Ignore AS-Path during bestpath selection
igp-metric	IGP metric for next-hop
ignore	Ignore IGP metric for next-hop during bestpath selection
aigp	Accumulated IGP Metric Attribute
ignore	Ignore AIGP attribute during bestpath selection when one of the paths does not have AIGP attribute

Command Mode

- /exec/configure/router-bgp/vrf-cmds

bestpath origin-as allow invalid

[no] bestpath origin-as allow invalid

Syntax Description

no	(Optional) Negate a command or set its defaults
bestpath	Change default bestpath selection algorithm
origin-as	Use RPKI origin-as validity in bestpath selection
allow	BGP bestpath selection will allow invalid origin-AS
invalid	BGP bestpath selection will allow invalid origin-AS

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4
/exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

bestpath origin-as use-validity

[no] bestpath origin-as use-validity

Syntax Description

no	(Optional) Negate a command or set its defaults
bestpath	Change default bestpath selection algorithm
origin-as	Use RPKI origin-as validity in bestpath selection
use-validity	BGP bestpath selection will use origin-as validity

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4
/exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

bfd

[no | default] bfd [multihop | singlehop]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
multihop	(Optional) Multihop session
singlehop	(Optional) Single-hop session

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable IPv4 BFD on all ISIS interfaces

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

bfd

[no] bfd [ipv4 | ipv6]

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable BFD on all OSPF interfaces

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable BFD on all EIGRP interfaces

Command Mode

- /exec/configure/router-eigrp /exec/configure/router-eigrp/router-eigrp-vrf
/exec/configure/router-eigrp/router-eigrp-af-common

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Enable BFD on all OSPF interfaces

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Configure MPLS BFD traffic Engineering Segment Routing liveness detection configurations

Command Mode

- /exec/configure/sr/te/live-det/mpls

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Configure MPLS BFD traffic Engineering Segment Routing liveness detection configurations

Command Mode

- /exec/configure/sr/te/color/live-det/mpls

bfd

[no] bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	Configure MPLS BFD traffic Engineering Segment Routing liveness detection configurations

Command Mode

- /exec/configure/sr/te/pol/live-det/mpls

bfd authentication interop

bfd authentication interop | no bfd authentication interop

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
authentication	Configure BFD authentication parameters
interop	Allows keys to be sent in network format to interop with non N3k/N9K switches

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd authentication key-id key

```
bfd [ { ipv4 | ipv6 } ] authentication <auth_name> key-id <key_id_val> { key <key_val> | hex-key <h_key_val> } | no bfd [ { ipv4 | ipv6 } ] authentication
```

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
authentication	Configure BFD authentication parameters
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions
<i>auth_name</i>	auth algorithm
key-id	Key ID to use in BFD frames
<i>key_id_val</i>	Key ID value
key	ASCII SHA1 secret
hex-key	HEX binary SHA1 secret
<i>key_val</i>	SHA1 secret value
<i>h_key_val</i>	SHA1 secret value. e.g ABCD123

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd echo-interface

[no] bfd echo-interface <ifindex>

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
echo-interface	Configure interface used for bfd echo frames
<i>ifindex</i>	loopback interface

Command Mode

- /exec/configure

bfd echo-rx-interval

bfd [ipv4 | ipv6] echo-rx-interval <intv> | no bfd [ipv4 | ipv6] echo-rx-interval

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
echo-rx-interval	Configure BFD session echo rx interval
<i>intv</i>	Echo Rx Interval in milliseconds

Command Mode

- /exec/configure /exec/configure/if-ma /exec/configure/if-ma-p2p

bfd echo

[no] bfd [{ ipv4 | ipv6 }] echo

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
echo	Configure Echo function for all address families
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd hw-offload

[no] bfd hw-offload

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
hw-offload	Configure hardware offload

Command Mode

- /exec/configure

bfd interval

[no] bfd [ipv4 | ipv6] interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
<i>min_tx_mills</i>	(Optional) TX interval in milliseconds
min_rx	(Optional) Minimum RX interval
<i>min_rx_mills</i>	(Optional) RX interval in milliseconds
multiplier	(Optional) Configure detect multiplier for bfd sessions
<i>int_mult</i>	(Optional) Detect Multiplier

Command Mode

- /exec/configure

bfd interval

[no] bfd [ipv4 | ipv6] interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
<i>min_tx_mills</i>	(Optional) TX interval in milliseconds
min_rx	(Optional) Minimum RX interval
<i>min_rx_mills</i>	(Optional) RX interval in milliseconds
multiplier	(Optional) Configure detect multiplier for bfd sessions
<i>int_mult</i>	(Optional) Detect Multiplier

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd interval min_rx multiplier

bfd [ipv6 | ipv4] interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>

Syntax Description

bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
<i>min_tx_mills</i>	TX interval in milliseconds
min_rx	Minimum RX interval
<i>min_rx_mills</i>	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd sessions
<i>int_mult</i>	Detect Multiplier

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd interval min_rx multiplier

```
bfd [ ipv6 | ipv4 ] interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>
```

Syntax Description

bfd	BFD commands
interval	Configure BFD session interval parameters
ipv6	(Optional) ipv6 sessions
ipv4	(Optional) ipv4 sessions
<i>min_tx_mills</i>	TX interval in milliseconds
min_rx	Minimum RX interval
<i>min_rx_mills</i>	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd sessions
<i>int_mult</i>	Detect Multiplier

Command Mode

- /exec/configure

bfd local-address

bfd local-address { <src_ip> | <src_ipv6> } | no bfd local-address

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
local-address	Configure the source IP address to be used for BFD session
<i>src_ip</i>	Source IP value

Command Mode

- /exec/configure/if-ma /exec/configure/if-vlan /exec/configure/if-ma-p2p

bfd multihop authentication key-id key

```
bfd multihop authentication <auth_name> key-id <key_id_val> { key <key_val> | hex-key <h_key_val> } |
{ no | default } bfd multihop authentication [ <auth_name> key-id <key_id_val> { key <key_val> | hex-key
<h_key_val> } ]
```

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
multihop	For Multihop sessions
authentication	Configure BFD authentication parameters
<i>auth_name</i>	auth algorithm
key-id	Key ID to use in BFD frames
<i>key_id_val</i>	Key ID value
key	ASCII SHA1 secret
hex-key	HEX binary SHA1 secret
<i>key_val</i>	SHA1 secret value
<i>h_key_val</i>	SHA1 secret value. e.g ABCD123

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bfd multihop interval

[no] bfd multihop interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
multihop	Configure BFD Multihop session interval parameters
interval	Configure BFD multihop session interval parameters
<i>min_tx_mills</i>	(Optional) TX interval in milliseconds
min_rx	(Optional) Minimum RX interval
<i>min_rx_mills</i>	(Optional) RX interval in milliseconds
multiplier	(Optional) Configure detect multiplier for bfd multihop sessions
<i>int_mult</i>	(Optional) Detect Multiplier

Command Mode

- /exec/configure

bfd multihop interval min_rx multiplier

bfd multihop interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>

Syntax Description

bfd	BFD commands
multihop	Configure BFD Multihop session interval parameters
interval	Configure BFD multihop session interval parameters
<i>min_tx_mills</i>	TX interval in milliseconds
min_rx	Minimum RX interval
<i>min_rx_mills</i>	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd multihop sessions
<i>int_mult</i>	Detect Multiplier

Command Mode

- /exec/configure

bfd multihop interval min_rx multiplier

bfd multihop interval <min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult> | { no | default } bfd multihop interval [<min_tx_mills> min_rx <min_rx_mills> multiplier <int_mult>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
bfd	Bidirectional Fast Detection for the neighbor
multihop	Multihop session
interval	Configure BFD session interval parameters
<i>min_tx_mills</i>	TX interval in milliseconds
min_rx	Minimum RX interval
<i>min_rx_mills</i>	RX interval in milliseconds
multiplier	Configure detect multiplier for bfd sessions
<i>int_mult</i>	Detect Multiplier

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bfd optimize subinterface

[no] bfd [ipv4] optimize subinterface

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
optimize	optimize
subinterface	optimize subinterfaces
ipv4	(Optional) ipv4 sessions

Command Mode

- /exec/configure/if-ma /exec/configure/if-ma-p2p

bfd per-link

[no] bfd [{ ipv4 | ipv6 }] per-link

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
per-link	Run BFD sessions on each port-channel link
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-port-channel-sub
/exec/configure/if-eth-port-channel-p2p

bfd slow-timer

bfd [{ ipv4 | ipv6 }] slow-timer <int_slow_timer> | no bfd [{ ipv4 | ipv6 }] slow-timer

Syntax Description

no	Negate a command or set its defaults
bfd	BFD commands
slow-timer	Configure slow mode timer for sessions
<i>int_slow_timer</i>	Slow rate timer in milliseconds
ipv4	(Optional) ipv4 sessions
ipv6	(Optional) ipv6 sessions

Command Mode

- /exec/configure

bfd startup-timer bfd startup-timer

bfd startup-timer <int_startup_timer> | [no] bfd startup-timer

Syntax Description

no	(Optional) Negate a command or set its defaults
bfd	BFD commands
startup-timer	Configure Delayed Start Up timer for sessions
<i>int_startup_timer</i>	Start Up timer in seconds

Command Mode

- /exec/configure

bfshell

bfshell

Syntax Description

bfshell	bfshell
---------	---------

Command Mode

- /exec

bfshell cmd

bfshell cmd <cmd>

Syntax Description

bfshell	bfshell
cmd	Specify command
<i>cmd</i>	Quoted commands to be exec

Command Mode

- /exec

bfshell module

bfshell module <module>

Syntax Description

bfshell	bfshell
module	Select module
<i>module</i>	Module number

Command Mode

- /exec

bfshell module cmd

bfshell module <module> cmd <cmd>

Syntax Description

bfshell	bfshell
module	Select module
cmd	Specify command
<i>module</i>	Module number
<i>cmd</i>	Quoted commands to be exec

Command Mode

- /exec

binary-location

[no] binary-location <source-uri>

Syntax Description

no	(Optional) Negate a command or set its defaults
binary-location	the location binaries are downloaded from
<i>source-uri</i>	Location for restoration to pick up binaries

Command Mode

- /exec/configure/personality

bind interface

[no] bind interface <interface-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
bind	Bind the VFC
interface	Bind the VFC to an interface
<i>interface-name</i>	Interface name

Command Mode

- /exec/configure/if-vfc

bind mac-address

[no] bind mac-address <mac0>

Syntax Description

no	(Optional) Negate a command or set its defaults
bind	Bind the VFC
mac-address	Bind the VFC to a MAC Address
<i>mac0</i>	Enter MAC address in dotted hex format

Command Mode

- /exec/configure/if-vfc

blink

```
[no] blink { module <module> | <s0> <santa-cruz-range> | chassis | powersupply <psnum> | fan <fan_num>
}
```

Syntax Description

no	(Optional) Negate a command or set its defaults
blink	blink locator led
module	blink module led
<i>module</i>	please enter the module number
<i>s0</i>	blink a specific xbar
<i>santa-cruz-range</i>	please enter the xbar number
chassis	blink chassis led
powersupply	blink powersupply led
<i>psnum</i>	powersupply number
fan	blink Fan led
<i>fan_num</i>	fan number

Command Mode

- /exec

bloggerd auto-collect component

```
{ bloggerd auto-collect component { ethport { enable | disable } | kern { enable | disable } | nx-1 { enable |
disable } | bgp { enable | disable } | cdp { enable | disable } | snmpmib_proc { enable | disable } | arp { enable
| disable } | icmpv6 { enable | disable } | l3vm { enable | disable } | pktmgr { enable | disable } | feature-mgr
{ enable | disable } | vpc { enable | disable } | port-channel { enable | disable } | mfdm { enable | disable } |
spm { enable | disable } | dhcp_snoop { enable | disable } | mrib { enable | disable } | m6rib { enable | disable
} | fex { enable | disable } | icam { enable | disable } | isis { enable | disable } | pim { enable | disable } | pim6
{ enable | disable } | vmtracker { enable | disable } | tahusd { enable | disable } | adjmgr { enable | disable } |
lldp { enable | disable } | udld { enable | disable } | smm { enable | disable } | lacp { enable | disable } |
hsrp_engine { enable | disable } | vrrp-eng { enable | disable } | vrrp-cfg { enable | disable } | ip { enable |
disable } | netstack { enable | disable } | clis { enable | disable } | pltfm_config { enable | disable } | nbm {
enable | disable } | bcm_usd { enable | disable } | statsclient { enable | disable } | sysmgr { enable | disable }
| jer_usd { enable | disable } | m2rib { enable | disable } | ipqosmgr { enable | disable } | hmm { enable | disable
} | l2fm { enable | disable } | sla_sender { enable | disable } | sla_responder { enable | disable } | sla_twamp
{ enable | disable } | ufdm { enable | disable } | vrrpv3 { enable | disable } | iftmc { enable | disable } | eltm {
enable | disable } | tctrl_usd { enable | disable } | CrdCfg { enable | disable } | ngoam { enable | disable } | nve
{ enable | disable } | cardclient { enable | disable } | l2rib { enable | disable } | eigrp { enable | disable } | kafka
{ enable | disable } | im { enable | disable } | pfma { enable | disable } | cfs { enable | disable } | aclqos { enable
| disable } | tun_enc_mgr { enable | disable } | cts { enable | disable } | vntag_mgr { enable | disable } | rip {
enable | disable } | sdaa { enable | disable } | ipfib { enable | disable } | ospfv3 { enable | disable } | ospf {
enable | disable } | aclmgr { enable | disable } | bfd { enable | disable } | ethpm { enable | disable } | ifmgr {
enable | disable } | interface-vlan { enable | disable } | vmm { enable | disable } } }
```

Syntax Description

bloggerd	Syslog based auto-collect for components
auto-collect	Auto-collect for different components
component	Component name for syslog based auto-collect
kern	Auto-collect for Kernel
nx-1	Auto-collect for nx linux Kernel
enable	Enable the syslog based auto-collect
disable	Disable the syslog based auto-collect

Command Mode

- /exec

bloggerd clear evtlog stats

bloggerd clear evtlog stats

Syntax Description

bloggerd	Blogger commands
clear	Reset the eventlog stats
evtlog	Event logs
stats	Event log statistics

Command Mode

- /exec

bloggerd live-process-core sap

bloggerd live-process-core sap <sap>

Syntax Description

bloggerd	Blogger commands
live-process-core	Dump the core of the live-process
sap	Dump core for a particular SAP
<i>sap</i>	Enter a valid SAP.

Command Mode

- /exec

bloggerd log-dump all

```
[no] bloggerd log-dump { all | [ module <module> ] sap <sap_num> [ vdc <new_id> | vdc-all ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
bloggerd	Blogger commands
log-dump	Dump Log Buffer
all	Log Dump for ALL services across ALL modules in the switch on reaching threshold
module	(Optional) Enable Buffer Dump for particular Module
<i>module</i>	(Optional) Enter a valid Module Number
sap	Enable Buffer Dump for a particular sap
<i>sap_num</i>	Enter a valid SAP. Enter 0 for ALL SAPs in this VDC
vdc	(Optional) Enable Log Dump for a particular VDC. DEFAULT_VDC by default
<i>new_id</i>	(Optional) Enter a valid VDC ID
vdc-all	(Optional) Enable Log Dump for the sap on ALL VDCs

Command Mode

- /exec/configure

bloggerd log-dump once log-buffer sap

bloggerd log-dump once log-buffer sap <sap0>

Syntax Description

bloggerd	Blogger commands
log-dump	Dump Log Buffer
once	Dump Log Buffer once immediately
log-buffer	Dump Log buffer
sap	Enable Buffer Dump for a particular sap
<i>sap0</i>	Enter 0 for ALL SAPs in this VDC

Command Mode

- /exec

bloggerd log-dump once log-buffer sap event-history

```
bloggerd log-dump once log-buffer sap <sap> event-history { errors | msgs | { app-specific <uuid> instance
<buffer-instance> } | all }
```

Syntax Description

bloggerd	Blogger commands
log-dump	Dump Log Buffer
once	Dump Log Buffer once immediately
log-buffer	Dump Log buffer
sap	Enable Buffer Dump for a particular sap
<i>sap</i>	Enter a valid SAP for a specific process
event-history	Event-History Buffers
errors	event-history errors
msgs	event-history messages
app-specific	application specific event history
<i>uuid</i>	Enter valid app's UUID
instance	Buffer Instance of the App-Specific SDWrap buffer
<i>buffer-instance</i>	Enter a valid SDWrap buffer instance for the app
all	All event-history buffers on the SAP

Command Mode

- /exec

bloggerd log-dump once pss uuid

bloggerd log-dump once pss uuid <uuid>

Syntax Description

bloggerd	Blogger commands
log-dump	Dump Log Buffer
once	Dump Log Buffer once immediately
pss	Dump PSS
uuid	Dump PSS for a particular UUID
<i>uuid</i>	Enter a app's UUID

Command Mode

- /exec

bloggerd log-snapshot

bloggerd log-snapshot [<identifier> | time <i0> | size <i1> | purge threshold <i2> | all | storage { bootflash | logflash | usb1 | usb2 }] +

Syntax Description

bloggerd	Blogger commands
log-snapshot	Event Logs
<i>identifier</i>	(Optional) Identifier of the snapshot
time	(Optional) Snapshot based on time
<i>i0</i>	(Optional) Snapshot of last xx mins logs
size	(Optional) Snapshot based on size
<i>i1</i>	(Optional) Snapshot size in MB
storage	(Optional) List of allowed file systems for storing snapshot
bootflash	(Optional) Snapshot will be stored in bootflash:evt_log_snapshot
logflash	(Optional) Snapshot will be stored in logflash:evt_log_snapshot
usb1	(Optional) Snapshot will be stored in usb1:evt_log_snapshot
usb2	(Optional) Snapshot will be stored in usb2:evt_log_snapshot
purge	(Optional) Older snapshots will be purged
threshold	(Optional) Threshold value, after which purge kicks in
<i>i2</i>	(Optional) Snapshots will be purged once the threshold is reached
all	(Optional) Snapshot will be collected along with log-dump once sap 0

Command Mode

- /exec

bloggerd log-throttle

```
[no] bloggerd log-throttle [ min-rollover <min-rollover> max-rollover-per-minute <max-rollover-per-minute> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
bloggerd	Blogger commands
log-throttle	Enable Log Dump Throttling for all NxOS services
min-rollover	(Optional) Number of minimum buffer rollovers before starting to throttle. Default: 5
<i>min-rollover</i>	(Optional) Enter the minimum number of roll-overs before throttling log-dump. Default: 5
max-rollover-per-minute	(Optional) Maximum allowed buffer rollovers per minute. Default: 1
<i>max-rollover-per-minute</i>	(Optional) Enter the maximum allowed roll-overs per minute before throttling. Default: 1

Command Mode

- /exec/configure

bloggerd log-transfer

```
bloggerd log-transfer { <ip-addr> <path> | logflash }
```

Syntax Description

bloggerd	Blogger commands
log-transfer	Configure log transfer
<i>ip-addr</i>	IP addr of logging server
<i>path</i>	Path in tftp server to store logs. Eg: logOutput
logflash	Move all log-files to logflash

Command Mode

- /exec/configure

bloggerd log-transfer

[no] bloggerd log-transfer

Syntax Description

no	Negate a command or set its defaults
bloggerd	Blogger commands
log-transfer	Configure log transfer

Command Mode

- /exec/configure

bloggerd parse log-buffer file

```
bloggerd parse log-buffer { file | directory } <uri0> [ dsf_table <uri1> ]
```

Syntax Description

bloggerd	Blogger commands
parse	Parse a file
log-buffer	Parse buffer log file
directory	Enter path of directory
file	Enter file name. Please unzip file before parsing!
<i>uri0</i>	Linux path to file/directory (Eg: /bootflash/abc)
dsf_table	(Optional) Enter dsf table file name.
<i>uri1</i>	(Optional) Linux path to file/directory (Eg: /bootflash/abc)

Command Mode

- /exec

bloggerd parse log-buffer file sap

bloggerd parse log-buffer file <uri0> sap <sap-num>

Syntax Description

bloggerd	Blogger commands
parse	Parse a file
log-buffer	Parse buffer log file
file	Enter file name. Please unzip file before parsing!
<i>uri0</i>	Linux path to file (Eg: /bootflash/abc)
sap	SAP of the application which should parse the file
<i>sap-num</i>	Enter a valid SAP. Enter 0 for ALL SAPs in this VDC

Command Mode

- /exec

bloggerd parse pss file

bloggerd parse pss file <uri0>

Syntax Description

bloggerd	Blogger commands
parse	Parse a file
pss	Parse a dumped PSS File
file	Enter file name (without pss extensions). Please unzip file before parsing!
<i>uri0</i>	Linux path to file/directory (Eg: /bootflash/abc)

Command Mode

- /exec

bloggerd reparse log-profile

bloggerd reparse log-profile

Syntax Description

bloggerd	Blogger commands
reparse	Parse the YAML profile file
log-profile	Log Profile in YAML

Command Mode

- /exec

bmp-activate-server

bmp-activate-server <server-number> | { no | default } bmp-activate-server <server-number>

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
bmp-activate-server	Activate BMP monitoring for the peer
<i>server-number</i>	Server Id

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

bmp-server

[no] bmp-server <server-number>

Syntax Description

no	(Optional) Negate a command or set its defaults
bmp-server	Configure bmp-server
<i>server-number</i>	server number value

Command Mode

- /exec/configure/router-bgp

boot-order

boot-order <new_id>

Syntax Description

boot-order	The order at which a vdc will boot up. VDCs at the same level will be started parallelly
<i>new_id</i>	The order at which a vdc will boot up. VDCs at the same level will be started parallelly

Command Mode

- /exec/configure/vdc

boot

```
{ boot <s0> <uri0> [ module [ <module> ] ] | no boot <s0> [ <uri0> [ module [ <module> ] ] ] }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
<i>s0</i>	use [show boot variables] for list of keywords
<i>uri0</i>	Enter module image uri
module	(Optional) Enter module number for the image
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec/configure

boot aci

```
{ boot aci <uri0> | no boot aci [ <uri0> ] }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
aci	Configure ACI image
<i>uri0</i>	Enter ACI image uri

Command Mode

- /exec/configure

boot auto-copy

[no] boot auto-copy

Syntax Description

no	(Optional) Negate a command or set its defaults
boot	Configure boot variables
auto-copy	Turns on/off autocopy of bootvar images

Command Mode

- /exec/configure

boot fex

{ boot fex [<uri0>] | no boot fex [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
fex	Configure FEX image
<i>uri0</i>	(Optional) Enter FEX image uri

Command Mode

- /exec/configure

boot kickstart

```
{ boot kickstart <uri0> | no boot kickstart [ <uri0> ] }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
kickstart	Configure kickstart image
<i>uri0</i>	Enter Kickstart image uri

Command Mode

- /exec/configure

boot mode docker_cluster

[no] boot mode docker_cluster [dhcp <option>]

Syntax Description

no	(Optional) Negate a command or set its defaults
boot	Configure boot mode
mode	boot mode
docker_cluster	Turns on/off docker_cluster mode
dhcp	(Optional) Custom DHCP option
<i>option</i>	(Optional) Option, default is 250

Command Mode

- /exec/configure

boot mode lxc

[no] boot mode lxc

Syntax Description

no	(Optional) Negate a command or set its defaults
boot	Configure boot mode
mode	boot mode
lxc	Turns on/off lxc mode

Command Mode

- /exec/configure

boot nxos

{ boot nxos <uri0> | no boot nxos [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
<i>uri0</i>	Enter nxos image uri

Command Mode

- /exec/configure

boot nxos sup-1

```
{ boot nxos <uri0> sup-1 | no boot nxos <uri0> sup-1 }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
<i>uri0</i>	Enter nxos image uri
sup-1	Enter sup-1 to configure the 1st sup

Command Mode

- /exec/configure

boot nxos sup-1 sup-2

```
{ boot nxos <uri0> sup-1 sup-2 | no boot nxos <uri0> sup-1 sup-2 }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
<i>uri0</i>	Enter nxos image uri
sup-1	Enter sup-1 to configure the 1st sup
sup-2	Enter sup-2 to configure the 2nd sup

Command Mode

- /exec/configure

boot nxos sup-2

```
{ boot nxos <uri0> sup-2 | no boot nxos <uri0> sup-2 }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
nxos	Configure NXOS image
<i>uri0</i>	Enter nxos image uri
sup-2	Enter sup-2 to configure the 2nd sup

Command Mode

- /exec/configure

boot order bootflash

{ boot order bootflash [pxe] | no boot order bootflash [pxe] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
order	Configure loader fallback order
bootflash	Boot from Bootflash
pxe	(Optional) Pxe Boot

Command Mode

- /exec/configure

boot order pxe

```
{ boot order pxe [ bootflash ] | no boot order pxe [ bootflash ] }
```

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
order	Configure loader fallback order
pxe	Pxe Boot
bootflash	(Optional) Boot from Bootflash

Command Mode

- /exec/configure

boot poap enable

{ boot poap enable | no boot poap enable }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
poap	feature poap
enable	Enable Perpetual POAP making POAP kick in on reload even with startup-config

Command Mode

- /exec/configure

boot system

{ boot system <uri0> | no boot system [<uri0>] }

Syntax Description

no	Negate a command or set its defaults
boot	Configure boot variables
system	Configure system image
<i>uri0</i>	Enter system image uri

Command Mode

- /exec/configure

broadcast

[no] broadcast

Syntax Description

no	(Optional) Negate a command or set its defaults
broadcast	Allow broadcast frames in the zone

Command Mode

- /exec/configure/attribute-group

broadcast

[no] broadcast

Syntax Description

no	(Optional) Negate a command or set its defaults
broadcast	Allow broadcast frames in the default-zone

Command Mode

- /exec/configure/default-zone/attribute-group

buffer-boost

[no] buffer-boost

Syntax Description

no	(Optional) Negate a command or set its defaults
buffer-boost	Enable extra buffers for this interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

buffer-delete

buffer-delete { <id-range> | <id> | all }

Syntax Description

buffer-delete	delete buffered command(s)
<i>id-range</i>	Range(whole-number) of command id(s) to be deleted from switch-profile buffer
<i>id</i>	Exact command id (x.x.x format) to be deleted from switch-profile buffer
all	delete all buffered commands

Command Mode

- /exec/configure

buffer-drop collector

[no] buffer-drop collector <collectorname>

Syntax Description

buffer-drop	Enable/Disable buffer-drop configuration
collector	Define a collector
<i>collectorname</i>	Name of collector

Command Mode

- /exec/configure/config-buffer-drop

buffer-drop monitor

[no] buffer-drop monitor <monitorname>

Syntax Description

buffer-drop	Enable/Disable buffer-drop configuration
monitor	Define a buffer-drop Monitor
<i>monitorname</i>	Name of buffer-drop Monitor

Command Mode

- /exec/configure/config-buffer-drop

buffer-drop system monitor

[no] buffer-drop system monitor <monitorname>

Syntax Description

system	global config
buffer-drop	buffer-drop global settings
monitor	buffer-drop Monitor to be applied
<i>monitorname</i>	buffer-drop Monitor to be applied

Command Mode

- /exec/configure/config-buffer-drop

buffer-latency collector

[no] buffer-latency collector <collectorname>

Syntax Description

buffer-latency	Enable/Disable buffer-latency configuration
collector	Define a collector
<i>collectorname</i>	Name of collector

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency monitor

[no] buffer-latency monitor <monitorname>

Syntax Description

buffer-latency	Enable/Disable buffer-latency configuration
monitor	Define a buffer-latency Monitor
<i>monitorname</i>	Name of buffer-latency Monitor

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency record

[no] buffer-latency record <recordname>

Syntax Description

buffer-latency	Enable/Disable buffer-latency configuration
record	Define a buffer-latency record
<i>recordname</i>	Name of buffer-latency record

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency system monitor

[no] buffer-latency system monitor <monitorname>

Syntax Description

system	global config
buffer-latency	buffer-latency global settings
monitor	buffer-latency Monitor to be applied
<i>monitorname</i>	buffer-latency Monitor to be applied

Command Mode

- /exec/configure/config-buffer-latency

buffer-latency threshold

[no] buffer-latency threshold <thresholdname> <thresholdvalue>

Syntax Description

buffer-latency	buffer-latency configuration
threshold	Define a threshold value
<i>thresholdname</i>	Name for threshold
<i>thresholdvalue</i>	Threshold value in ns

Command Mode

- /exec/configure/config-buffer-latency

buffer-move

buffer-move <fromid> <toid>

Syntax Description

buffer-move	move buffered command(s)
<i>fromid</i>	Command id of command(s) to be moved in switch-profile buffer
<i>toid</i>	New command id to be assigned in switch-profile buffer

Command Mode

- /exec/configure

burst-detect active-queue-percentage

[no] burst-detect active-queue-percentage <value-in-percent>

Syntax Description

no	(Optional) Negate a command or set its defaults
burst-detect	Global burst-detect settings
active-queue-percentage	Active queue percentage
<i>value-in-percent</i>	Percent

Command Mode

- /exec/configure/system/qos

burst-detect enable

[no] burst-detect enable

Syntax Description

no	(Optional) Negate a command or set its defaults
burst-detect	Specify OOBST burst-detect thresholds for the class
enable	enable

Command Mode

- /exec/configure/policy-map/type/queuing/class

burst-detect rise-threshold bytes fall-threshold bytes2

```
[no] burst-detect rise-threshold { { <value-in-bytes> bytes } | { <value-in-percent> percent } } fall-threshold
{ { <value-in-bytes> bytes2 } | { <value-in-percent> percent2 } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
burst-detect	Specify OOBST burst-detect thresholds for the class
rise-threshold	Threshold bytes(queue depth) to start monitoring burst
<i>value-in-bytes</i>	
bytes	bytes
<i>value-in-percent</i>	Value in percentage
percent	Percent
fall-threshold	Threshold bytes(queue depth) to stop monitoring burst
<i>value-in-bytes</i>	
bytes2	bytes2
<i>value-in-percent</i>	Value in percentage
percent2	Percent

Command Mode

- /exec/configure/policy-map/type/queuing/class



C Commands

- [cable-delay compensation](#), on page 377
- [cabundle](#), on page 378
- [cabundle url](#), on page 379
- [callhome](#), on page 380
- [callhome send configuration](#), on page 381
- [callhome send diagnostic](#), on page 382
- [callhome test](#), on page 383
- [callhome test inventory](#), on page 384
- [candidate-paths](#), on page 385
- [candidate-paths](#), on page 386
- [capability additional-paths receive](#), on page 387
- [capability additional-paths send](#), on page 388
- [capability suppress 4-byte-as](#), on page 389
- [capability vrf-lite](#), on page 390
- [capture](#), on page 391
- [capture](#), on page 392
- [capture](#), on page 393
- [capture rcv](#), on page 394
- [capture rcv](#), on page 395
- [capture session](#), on page 396
- [carrier-delay](#), on page 397
- [cd](#), on page 398
- [cdp advertise v1](#), on page 399
- [cdp enable](#), on page 400
- [cdp enable](#), on page 401
- [cdp format device-id](#), on page 402
- [cdp holdtime](#), on page 403
- [cdp timer](#), on page 404
- [certificate](#), on page 405
- [certificate](#), on page 406
- [certificate trustpoint](#), on page 407
- [cfs debug all](#), on page 408
- [cfs distribute](#), on page 409

- `cfs eth distribute`, on page 410
- `cfs ipv4 distribute`, on page 411
- `cfs ipv4 mcast-address`, on page 412
- `cfs ipv6 distribute`, on page 413
- `cfs ipv6 mcast-address`, on page 414
- `cfs refresh static-peers`, on page 415
- `cfs region`, on page 416
- `cfs static-peers`, on page 417
- `change-password`, on page 418
- `channel-group`, on page 419
- `channel-group`, on page 420
- `channel-group`, on page 421
- `channel-group`, on page 422
- `channel-group auto`, on page 423
- `channel-group force`, on page 424
- `channel-group force`, on page 425
- `channel mode active`, on page 426
- `chassis associate chassis-serial module-serial port-profile module-side left`, on page 427
- `chassis management-instance fabric`, on page 428
- `checkpoint`, on page 429
- `checkpoint`, on page 430
- `cipher-suite`, on page 431
- `cipher-suite`, on page 432
- `class-map`, on page 433
- `class-map type control-plane`, on page 434
- `class-map type network-qos`, on page 435
- `class-map type queuing`, on page 436
- `class-map type queuing`, on page 437
- `class`, on page 438
- `class`, on page 439
- `class __inline__`, on page 440
- `class class-default`, on page 441
- `class type network-qos`, on page 442
- `class type network-qos class-default`, on page 443
- `class type psp`, on page 444
- `class type queuing`, on page 445
- `clear`, on page 446
- `clear`, on page 447
- `clear`, on page 448
- `clear`, on page 449
- `clear aaa client radius statistics`, on page 450
- `clear aaa local user blocked username`, on page 451
- `clear aaa server radius statistics`, on page 452
- `clear aaa user blocked username`, on page 453
- `clear access-list dest-miss stats`, on page 454
- `clear access-list hardware counters`, on page 455

- [clear access-list ipsg stats](#), on page 456
- [clear accounting log](#), on page 457
- [clear aclqos cl-qos](#), on page 458
- [clear aclqos fab](#), on page 459
- [clear aclqos fc](#), on page 460
- [clear aclqos libdrv](#), on page 461
- [clear aclqos map](#), on page 462
- [clear aclqos merge](#), on page 463
- [clear aclqos pl](#), on page 464
- [clear aclqos ppf-parse](#), on page 465
- [clear aclqos ppf](#), on page 466
- [clear aclqos qng-hw](#), on page 467
- [clear aclqos qng](#), on page 468
- [clear aclqos rl](#), on page 469
- [clear aclqos rm](#), on page 470
- [clear aclqos sch](#), on page 471
- [clear aclqos stats](#), on page 472
- [clear aclqos tbl](#), on page 473
- [clear aclqos trace-detail](#), on page 474
- [clear aclqos trace](#), on page 475
- [clear aclqos uf](#), on page 476
- [clear bfd statistics](#), on page 477
- [clear bgp](#), on page 478
- [clear bgp bmp stats server](#), on page 480
- [clear bgp rpki cache](#), on page 481
- [clear bootflash](#), on page 482
- [clear bootvar log](#), on page 483
- [clear cdp counters](#), on page 484
- [clear checkpoint database](#), on page 485
- [clear cli history](#), on page 486
- [clear configuration](#), on page 487
- [clear configuration commits oldest](#), on page 488
- [clear controller accounting log](#), on page 489
- [clear copp statistics](#), on page 490
- [clear cores](#), on page 491
- [clear cores archive](#), on page 492
- [clear counters](#), on page 493
- [clear counters buffers](#), on page 494
- [clear counters interface](#), on page 495
- [clear counters interface](#), on page 496
- [clear counters interface all](#), on page 497
- [clear counters interface snmp](#), on page 498
- [clear counters interface transceiver performance-monitoring history fec interval](#), on page 499
- [clear counters interface transceiver performance-monitoring current fec](#), on page 500
- [clear counters mpls strip](#), on page 501
- [clear counters tah-buffers](#), on page 502

- [clear crypto ca trustpool timer](#), on page 503
- [clear debug logfile](#), on page 504
- [clear device-alias database](#), on page 505
- [clear device-alias session](#), on page 506
- [clear device-alias statistics](#), on page 507
- [clear dot1x all](#), on page 508
- [clear dot1x stats interface](#), on page 509
- [clear dpvm auto-learn](#), on page 510
- [clear dpvm merge statistics](#), on page 511
- [clear dpvm session](#), on page 512
- [clear ecp statistics](#), on page 513
- [clear eubr statistics policy](#), on page 514
- [clear esmc counters interface](#), on page 515
- [clear evb hosts](#), on page 516
- [clear evb hosts](#), on page 517
- [clear evb statistics](#), on page 518
- [clear fabric-binding statistics vsan](#), on page 519
- [clear fabric database dc1 vrf node-id](#), on page 520
- [clear fabric database host statistics](#), on page 521
- [clear fabric database statistics](#), on page 522
- [clear fabric database statistics type server-proto radius group](#), on page 523
- [clear fabric database statistics type server-proto xmpp ip](#), on page 524
- [clear fabric forwarding dup-host](#), on page 525
- [clear fabricpath isis adjacency](#), on page 526
- [clear fabricpath isis statistics](#), on page 527
- [clear fabricpath isis traffic](#), on page 528
- [clear fc2](#), on page 529
- [clear fc2](#), on page 530
- [clear fcdomain session vsan](#), on page 531
- [clear fcns statistics vsan](#), on page 532
- [clear fcs statistics vsan](#), on page 533
- [clear fctimer session](#), on page 534
- [clear filter stats](#), on page 535
- [clear flow cache](#), on page 536
- [clear flow cache](#), on page 537
- [clear flow exporter](#), on page 538
- [clear flow rtp details](#), on page 539
- [clear forwarding adjacency mpls stats](#), on page 540
- [clear forwarding cumulative counter](#), on page 541
- [clear forwarding datamdt-route-history](#), on page 542
- [clear forwarding distribution lisp counters all](#), on page 543
- [clear forwarding events-history](#), on page 544
- [clear forwarding inconsistency](#), on page 545
- [clear forwarding ipv4 multicast counters](#), on page 546
- [clear forwarding ipv6-l3-route-history](#), on page 547
- [clear forwarding ipv6 adjacency mpls stats](#), on page 548

- clear forwarding ipv6 inconsistency, on page 549
- clear forwarding ipv6 multicast counters, on page 550
- clear forwarding ipv6 route module, on page 551
- clear forwarding l2-mc-route-history, on page 552
- clear forwarding l2-oiflist-history, on page 553
- clear forwarding l2-route-history, on page 554
- clear forwarding l2_prime-oiflist-history, on page 555
- clear forwarding l2mcast info l2-mc-route-history, on page 556
- clear forwarding l2mcast info l2-oiflist-history, on page 557
- clear forwarding l2mcast info l2-route-history, on page 558
- clear forwarding l2mcast info l2-xbar-history, on page 559
- clear forwarding l2mcast info statistics, on page 560
- clear forwarding l2rib-route-history, on page 561
- clear forwarding l2vpn trace member-history, on page 562
- clear forwarding l3-route-history, on page 563
- clear forwarding mpls drop-stats, on page 564
- clear forwarding mpls stats, on page 565
- clear forwarding mpls trace adj-history, on page 566
- clear forwarding mpls trace ecmp-history, on page 567
- clear forwarding mpls trace label-history, on page 568
- clear forwarding mpls trace te-history, on page 569
- clear forwarding oiflist-history, on page 570
- clear forwarding otv oiflist-history, on page 571
- clear forwarding proactive-cc inconsistencies, on page 572
- clear forwarding proactive-cc stats, on page 573
- clear forwarding route module, on page 574
- clear forwarding trace ecmp-history, on page 575
- clear forwarding trace mfib mct-history, on page 576
- clear forwarding trace mfib oif-history, on page 577
- clear forwarding trace mfib oiflist-history, on page 578
- clear forwarding trace mfib otv oif-history, on page 579
- clear forwarding trace mfib otv oiflist-history, on page 580
- clear forwarding trace mfib otv v4-route-history, on page 581
- clear forwarding trace mfib otv v6-route-history, on page 582
- clear forwarding trace mfib platform oiflist-history, on page 583
- clear forwarding trace mfib v4-route-history, on page 584
- clear forwarding trace mfib v6-route-history, on page 585
- clear forwarding trace nve-ir-peer-history, on page 586
- clear forwarding trace nve-l2-vni-history, on page 587
- clear forwarding trace nve-l3-vni-history, on page 588
- clear forwarding trace nve-peer-history, on page 589
- clear forwarding trace otv-adj-history, on page 590
- clear forwarding trace otv-vlan-history, on page 591
- clear forwarding trace srv6-decap-history, on page 592
- clear forwarding trace srv6-encap-history, on page 593
- clear forwarding trace srv6-local-sid-history, on page 594

- clear forwarding trace srv6-peer-history, on page 595
- clear forwarding trace v4-adj-history, on page 596
- clear forwarding trace v4-pfx-history, on page 597
- clear forwarding trace v4-rnh-history, on page 598
- clear forwarding trace v6-adj-history, on page 599
- clear forwarding trace v6-pfx-history, on page 600
- clear forwarding trace v6-rnh-history, on page 601
- clear forwarding trace vobj-history, on page 602
- clear frame traffic, on page 603
- clear fs-daemon log, on page 604
- clear fspf counters vsan, on page 605
- clear fspf counters vsan interface, on page 606
- clear hardware deduplication statistics, on page 607
- clear hardware flow ip, on page 608
- clear hardware flow ipv6, on page 609
- clear hardware flow l2, on page 610
- clear hardware flow mpls, on page 611
- clear hardware ip verify, on page 612
- clear hardware profile buffer monitor, on page 614
- clear hardware profile latency monitor, on page 615
- clear hardware profile packet-drop file_instance, on page 616
- clear hardware rate-limiter, on page 617
- clear hardware rate-limiter, on page 618
- clear hsrp counters clear hsrp state-history, on page 619
- clear install all failed-standby, on page 620
- clear install failure-reason, on page 621
- clear install log-history all, on page 622
- clear install status, on page 623
- clear ip adjacency statistics, on page 624
- clear ip amt tunnel, on page 625
- clear ip arp, on page 626
- clear ip arp controller-statistics, on page 627
- clear ip arp inspection log, on page 628
- clear ip arp inspection statistics vlan, on page 629
- clear ip arp l2 statistics interface, on page 630
- clear ip arp multihoming-statistics, on page 631
- clear ip arp statistics, on page 632
- clear ip arp suppression-cache statistics, on page 633
- clear ip arp tunnel-statistics, on page 634
- clear ip arp vpc-statistics, on page 635
- clear ip dhcp global statistics, on page 636
- clear ip dhcp relay statistics, on page 637
- clear ip dhcp snooping binding, on page 638
- clear ip dhcp snooping statistics, on page 639
- clear ip eigrp accounting, on page 640
- clear ip eigrp redistribution, on page 641

- [clear ip eigrp traffic](#), on page 642
- [clear ip igmp groups](#), on page 643
- [clear ip igmp interface statistics](#), on page 644
- [clear ip igmp snooping explicit-tracking](#), on page 645
- [clear ip igmp snooping groups](#), on page 646
- [clear ip igmp snooping mac-oifs](#), on page 647
- [clear ip igmp snooping proxy querier ports vlan](#), on page 648
- [clear ip igmp snooping report statistics](#), on page 649
- [clear ip igmp snooping statistics](#), on page 650
- [clear ip interface statistics](#), on page 651
- [clear ip lisp data-cache](#), on page 652
- [clear ip lisp map-cache](#), on page 653
- [clear ip lisp statistics](#), on page 654
- [clear ip mbgp dampening](#), on page 655
- [clear ip mbgp flap-statistics](#), on page 657
- [clear ip mbgp peer-template](#), on page 659
- [clear ip mroute](#), on page 661
- [clear ip mroute statistics](#), on page 662
- [clear ip msdp peer](#), on page 663
- [clear ip msdp policy statistics sa-policy in](#), on page 664
- [clear ip msdp sa](#), on page 665
- [clear ip msdp statistics](#), on page 666
- [clear ip nat-alias address](#), on page 667
- [clear ip nat statistics](#), on page 668
- [clear ip nat translation](#), on page 669
- [clear ip ospf neighbor](#), on page 671
- [clear ip ospf redistribution](#), on page 672
- [clear ip ospf statistics](#), on page 673
- [clear ip ospf traffic](#), on page 674
- [clear ip pim interface statistics](#), on page 675
- [clear ip pim pfm-sd cache](#), on page 676
- [clear ip pim policy statistics](#), on page 677
- [clear ip pim policy statistics jp](#), on page 678
- [clear ip pim route](#), on page 679
- [clear ip pim statistics](#), on page 680
- [clear ip rip policy statistics redistribute bgp](#), on page 681
- [clear ip rip statistics](#), on page 682
- [clear ip traffic](#), on page 683
- [clear ipv6 adjacency statistics](#), on page 684
- [clear ipv6 amt tunnel](#), on page 685
- [clear ipv6 dhcp relay prefix-delegation](#), on page 686
- [clear ipv6 dhcp relay statistics](#), on page 687
- [clear ipv6 icmp](#), on page 688
- [clear ipv6 icmp l2 statistics interface](#), on page 689
- [clear ipv6 icmp nd local-proxy stats](#), on page 690
- [clear ipv6 icmp vpc-statistics](#), on page 691

- [clear ipv6 interface statistics](#), on page 692
- [clear ipv6 lisp data-cache](#), on page 693
- [clear ipv6 lisp statistics](#), on page 694
- [clear ipv6 mld groups](#), on page 695
- [clear ipv6 mld interface statistics](#), on page 696
- [clear ipv6 mld snooping explicit-tracking](#), on page 697
- [clear ipv6 mld snooping groups](#), on page 698
- [clear ipv6 mld snooping proxy querier ports vlan](#), on page 699
- [clear ipv6 mld snooping report statistics](#), on page 700
- [clear ipv6 mld snooping statistics](#), on page 701
- [clear ipv6 mroute](#), on page 702
- [clear ipv6 mroute statistics](#), on page 703
- [clear ipv6 neighbor](#), on page 704
- [clear ipv6 neighbor binding](#), on page 705
- [clear ipv6 pim interface statistics](#), on page 706
- [clear ipv6 pim policy statistics jp](#), on page 707
- [clear ipv6 pim route](#), on page 708
- [clear ipv6 pim statistics](#), on page 709
- [clear ipv6 rguard statistics](#), on page 710
- [clear ipv6 rip policy statistics redistribute bgp](#), on page 711
- [clear ipv6 snooping counters](#), on page 712
- [clear ipv6 snooping events](#), on page 713
- [clear ipv6 snooping messages](#), on page 714
- [clear ipv6 traffic](#), on page 715
- [clear isis adjacency](#), on page 716
- [clear isis redistribution](#), on page 717
- [clear isis spf-log](#), on page 718
- [clear isis statistics](#), on page 719
- [clear isis traffic](#), on page 720
- [clear itd statistics](#), on page 721
- [clear l2dbg](#), on page 722
- [clear l2route evpn mac evi permanently-frozen-list](#), on page 723
- [clear lacp counters](#), on page 724
- [clear lcmd stats interface](#), on page 725
- [clear ldap-server statistics](#), on page 726
- [clear lim counters](#), on page 728
- [clear line](#), on page 729
- [clear lisp ddt referral-cache](#), on page 730
- [clear lisp dynamic-eid](#), on page 731
- [clear lisp proxy-itr](#), on page 732
- [clear lisp site](#), on page 733
- [clear lldp counters](#), on page 734
- [clear lldp counters interface](#), on page 735
- [clear logging dropcount](#), on page 736
- [clear logging logfile](#), on page 737
- [clear logging nvram](#), on page 738

- clear logging onboard, on page 739
- clear logging onboard, on page 740
- clear logging session, on page 741
- clear mac address-table dynamic, on page 742
- clear macsec mka statistics, on page 743
- clear macsec secy statistics, on page 744
- clear mdns-sd controller statistics, on page 745
- clear mdns-sd file-logging, on page 746
- clear mdns-sd statistics global, on page 747
- clear mdns-sd statistics raw-stats, on page 748
- clear monitor session drops, on page 749
- clear mpls access-list counters, on page 750
- clear mpls forwarding statistics, on page 751
- clear mpls static trace, on page 752
- clear mpls switching label statistics, on page 753
- clear mts dedup_stats uuid app_update_id, on page 754
- clear mts message statistics, on page 755
- clear mvr counters, on page 756
- clear mvr counters receiver-ports, on page 757
- clear mvr counters source-ports, on page 758
- clear nat itd, on page 759
- clear nbm flows statistics, on page 760
- clear ngoam, on page 761
- clear ngoam, on page 762
- clear ngoam, on page 763
- clear ngoam loop-detection statistics, on page 764
- clear ngoam pathtrace, on page 765
- clear ntp session, on page 766
- clear ntp statistics, on page 767
- clear nve peer-ip, on page 768
- clear nve peers history-log, on page 769
- clear nve peers interface counters, on page 770
- clear nve peers vni interface counters, on page 771
- clear nve vni counters, on page 772
- clear nvram, on page 773
- clear nxapi-server logs, on page 774
- clear ospfv3 neighbor, on page 775
- clear ospfv3 statistics, on page 776
- clear ospfv3 traffic, on page 777
- clear otv isis adjacency, on page 778
- clear otv isis route-map statistics, on page 779
- clear otv isis statistics, on page 780
- clear otv isis traffic, on page 781
- clear peer-info interface vsan, on page 782
- clear pktmgr client, on page 783
- clear pktmgr interface, on page 784

- clear port-security dynamic address vlan, on page 785
- clear port-security dynamic interface, on page 786
- clear processes log all, on page 787
- clear processes log all vdc-all, on page 788
- clear processes log archive, on page 789
- clear processes log pid, on page 790
- clear processes vdc log all, on page 791
- clear processes vdc log pid, on page 792
- clear ptp corrections, on page 793
- clear ptp counters interface, on page 794
- clear qos mpls-snmp, on page 795
- clear qos policies, on page 796
- clear qos statistics, on page 797
- clear queuing burst-detect, on page 798
- clear queuing llfc-queue, on page 799
- clear queuing pfc-queue, on page 800
- clear queuing pfc-queue interface, on page 801
- clear queuing tah-pfc-queue, on page 802
- clear radius-server statistics, on page 803
- clear radius session, on page 805
- clear rmon, on page 806
- clear route-map pbr-statistics, on page 807
- clear routing ip multicast mfdm pending counters, on page 808
- clear routing ip multicast rpf-source retry-cache, on page 809
- clear routing ipv6 multicast, on page 810
- clear routing ipv6 multicast mfdm pending counters, on page 811
- clear routing ipv6 multicast rpf-source retry-cache, on page 812
- clear routing multicast, on page 813
- clear rscn session vsan, on page 814
- clear rscn statistics vsan, on page 815
- clear scheduler logfile, on page 816
- clear screen, on page 817
- clear session state name, on page 818
- clear sflow statistics, on page 819
- clear snmp counters, on page 820
- clear snmp hostconfig, on page 821
- clear sockets statistics, on page 822
- clear spanning-tree counters, on page 823
- clear spanning-tree detected-protocols, on page 824
- clear spanning-tree sps-hist, on page 825
- clear srv6 sid counters, on page 826
- clear ssh hosts, on page 827
- clear statistics module-all, on page 828
- clear statistics module, on page 829
- clear system login failures, on page 830
- clear system reset-reason, on page 831

- clear system tech-support blocked-commands, on page 832
- clear tacacs-server statistics, on page 833
- clear tech-support lock, on page 835
- clear tech-support lock, on page 836
- clear tunnel-encryption statistics, on page 837
- clear upgrade history, on page 838
- clear user, on page 839
- clear veobc counters, on page 840
- clear vlan access-list counters, on page 841
- clear vlan counters, on page 842
- clear vmtracker counters, on page 843
- clear vpc statistics all, on page 844
- clear vpc statistics peer-keepalive, on page 845
- clear vpc statistics vpc, on page 846
- clear vpc transport statistics, on page 847
- clear vrrp statistics, on page 848
- clear vrrpv3 statistics, on page 849
- clear vtp counters, on page 850
- clear zone database vsan1, on page 851
- clear zone lock vsan, on page 852
- clear zone smart-zoning, on page 853
- clear zone statistics vsan, on page 854
- cli alias check strict, on page 855
- cli alias name, on page 856
- cli var name, on page 857
- cli var name, on page 858
- cli var name, on page 859
- client-to-client reflection, on page 860
- client vrf management default, on page 861
- clock-interface sync, on page 862
- clock-tolerance ntp oneway absolute, on page 863
- clock format 12, on page 864
- clock format show-timezone debug, on page 865
- clock format show-timezone syslog, on page 866
- clock protocol, on page 867
- clock set, on page 868
- clock summer, on page 870
- close-connection fin, on page 871
- cluster-id, on page 872
- cluster, on page 873
- collect, on page 874
- collect, on page 875
- collect, on page 876
- collect, on page 877
- collect, on page 878
- collect counter bytes, on page 879

- collect counter bytes, on page 880
- collect counter bytes, on page 881
- collect interval, on page 882
- collect interval, on page 883
- collect ip version, on page 884
- collect timestamp sys-uptime first, on page 885
- collect timestamp sys-uptime first, on page 886
- collect timestamp sys-uptime first, on page 887
- collect transport tcp flags, on page 888
- collect transport tcp flags, on page 889
- collect transport tcp flags, on page 890
- collector, on page 891
- collector, on page 892
- collector, on page 893
- color, on page 894
- color, on page 895
- color, on page 896
- color, on page 897
- color, on page 898
- color, on page 899
- color, on page 900
- color, on page 901
- color endpoint, on page 902
- commit, on page 903
- commit, on page 904
- commit, on page 905
- commit, on page 906
- commit verbose, on page 907
- conf-offset, on page 908
- confederation identifier, on page 909
- confederation peers, on page 910
- configure, on page 911
- configure dual-stage, on page 912
- configure maintenance profile normal, on page 913
- configure profile, on page 914
- configure replace, on page 915
- configure replace abort, on page 917
- configure replace commit, on page 918
- configure session, on page 919
- configure sync, on page 920
- congestion-control dctcp ecn-threshold bytes, on page 921
- congestion-control ecn, on page 922
- congestion-control random-detect, on page 923
- congestion-control random-detect forward-nonecn, on page 924
- congestion-control random-detect global-buffer minimum-threshold maximum-threshold, on page 925
- congestion-control tail-drop, on page 926

- connect, on page 927
- connected-prefix-sid-map, on page 928
- constellation, on page 929
- constraints, on page 930
- constraints, on page 931
- continue, on page 932
- contract-id, on page 933
- control-plane, on page 934
- control-plane dynamic, on page 935
- control-word, on page 936
- controller-credentials username password 0, on page 937
- controller ip vrf, on page 938
- copp copy profile prefix, on page 939
- copp profile, on page 940
- copp profile, on page 941
- copp rate-limit disable, on page 942
- copy, on page 943
- copy, on page 945
- copy licenses, on page 946
- copy licenses, on page 947
- copy recursive, on page 948
- copy running vdc-all, on page 949
- copy vdc-all, on page 950
- cost, on page 951
- count, on page 952
- count, on page 953
- cpu, on page 954
- crypto ca authenticate, on page 955
- crypto ca cabundle, on page 956
- crypto ca crl request, on page 957
- crypto ca enroll, on page 958
- crypto ca export pkcs12, on page 959
- crypto ca import certificate, on page 960
- crypto ca import pkcs12, on page 961
- crypto ca import pkcs7, on page 962
- crypto ca lookup, on page 963
- crypto ca remote ldap, on page 964
- crypto ca trustpoint, on page 965
- crypto ca trustpool import url, on page 966
- crypto ca trustpool import url clean, on page 967
- crypto ca trustpool policy, on page 968
- crypto cert ssh-authorize, on page 969
- crypto certificatemap mapname, on page 970
- crypto key generate ecc, on page 971
- crypto key generate rsa, on page 972
- crypto key zeroize rsa, on page 973

- [crypto qkd profile](#), on page 974
- [cryptographic-algorithm](#), on page 975
- [cryptographic-algorithm](#), on page 976
- [customer-id](#), on page 977
- [cut](#), on page 978

cable-delay compensation

[no] cable-delay compensation <compens>

Syntax Description

no	(Optional) Negate a command or set its defaults
cable-delay	Cable-delay compensation configuration
compensation	Cable-delay compensation configuration
<i>compens</i>	Cable-delay compensation value, in nanoseconds

Command Mode

- /exec/configure/gnss-if

cabundle

[no] cabundle <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
cabundle	Configure cabundle
s0	cabundle label

Command Mode

- /exec/configure/trustpoint

cabundle url

[no] cabundle url <source_uri>

Syntax Description

no	(Optional) Negate a command or set its defaults
cabundle	Configure cabundle
url	Configure cabundle url
<i>source_uri</i>	Select source http URL

Command Mode

- /exec/configure/trustpool

callhome

callhome

Syntax Description

callhome	Enter the callhome configuration mode
----------	---------------------------------------

Command Mode

- /exec/configure

callhome send configuration

callhome send configuration

Syntax Description

callhome	callhome commands
send	send a command callhome message
configuration	configuration type

Command Mode

- /exec

callhome send diagnostic

callhome send diagnostic

Syntax Description

callhome	callhome commands
send	send a command callhome message
diagnostic	dignostic command

Command Mode

- /exec

callhome test

callhome test

Syntax Description

callhome	callhome commands
test	send a test callhome message

Command Mode

- /exec

callhome test inventory

callhome test inventory

Syntax Description

callhome	callhome commands
test	send a test callhome message
inventory	send a dummy callhome inventory

Command Mode

- /exec

candidate-paths

[no] candidate-paths

Syntax Description

no	(Optional) Negate a command or set its defaults
candidate-paths	Enter candidate-paths

Command Mode

- /exec/configure/sr/te/pol

candidate-paths

[no] candidate-paths

Syntax Description

no	(Optional) Negate a command or set its defaults
candidate-paths	Enter candidate-paths

Command Mode

- /exec/configure/sr/te/color

capability additional-paths receive

[no | default] capability additional-paths receive [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
capability	Advertise capability to the peer
additional-paths	Additional paths capability
receive	Additional paths Receive capability
disable	(Optional) Do not advertise additional paths Receive capability

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpn4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpn6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

capability additional-paths send

[no | default] capability additional-paths send [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
capability	Advertise capability to the peer
additional-paths	Additional paths capability
send	Additional paths Send capability
disable	(Optional) Do not advertise additional paths Send capability

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpn4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpn6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

capability suppress 4-byte-as

[no | default] capability suppress 4-byte-as

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
capability	Capability
suppress	Suppress sending out capability
4-byte-as	Suppress 4-byte AS Capability

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

capability vrf-lite

[no] capability vrf-lite [evpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
capability	Capability
vrf-lite	Enable VRF-lite support
evpn	(Optional) Ethernet VPN

Command Mode

- /exec/configure/router-ospf/vrf

capture

[no] capture { latency exceeding-threshold <time> { micro-sec | milli-sec } }

Syntax Description

capture	Events to be logged
latency	Latency
exceeding-threshold	Latency threshold limit
<i>time</i>	time range
micro-sec	time in micro seconds
milli-sec	time in milli seconds

Command Mode

- /exec/configure/nfm-event/group-latency-events

capture

```
[no] capture { latency exceeding-threshold <time> { micro-sec | milli-sec } }
```

Syntax Description

capture	Events to be logged
latency	Latency
exceeding-threshold	Latency threshold limit
<i>time</i>	time range <0-65535>
micro-sec	time in micro seconds
milli-sec	time in milli seconds

Command Mode

- /exec/configure/config-fte-event/group-latency-events

capture

```
[no] capture { latency exceeding-threshold <time> { micro-sec | milli-sec } }
```

Syntax Description

capture	Events to be logged
latency	Latency
exceeding-threshold	Latency threshold limit
<i>time</i>	time range
micro-sec	time in micro seconds
milli-sec	time in milli seconds

Command Mode

- /exec/configure/analytics/event-latency-events

capture rcv

[no] capture { rcv-window-zero | ip-df }

Syntax Description

capture	Events to be logged
rcv-window-zero	TCP Recieve Window Zero
ip-df	IP Don't Fragment Flag

Command Mode

- /exec/configure/analytics/event-packet-events

capture rcv

[no] capture { rcv-window-zero | ip-df }

Syntax Description

capture	Events to be logged
rcv-window-zero	TCP Recieve Window Zero
ip-df	IP Don't Fragment Flag

Command Mode

- /exec/configure/nfm-event/group-packet-events

capture session

[no] capture session <session-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
capture	Enable packet capture on this filter for session
session	Session ID <1-48> for this session
<i>session-id</i>	Session ID <1-48> for this session

Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl /exec/configure/macacl /exec/configure/arpacl

carrier-delay

carrier-delay { <sec_val> | msec <msec_val> } | no carrier-delay

Syntax Description

no	Negate a command or set its defaults
carrier-delay	Specify delay for interface transitions
<i>sec_val</i>	Carrier Transitions delay seconds
msec	Carrier Transitions delay milliseconds
<i>msec_val</i>	Carrier Transitions delay milliseconds

Command Mode

- /exec/configure/if-vlan-common

cd

cd <uri0>

Syntax Description

cd	Change current directory
<i>uri0</i>	Enter the name of the directory

Command Mode

- /exec

cdp advertise v1

cdp advertise { v1 | v2 } | no cdp advertise [v1 | v2]

Syntax Description

no	Negate a command or set its defaults
cdp	Configure CDP parameters
advertise	Highest CDP version supported on the switch
v1	CDP Version 1
v2	CDP Version 2

Command Mode

- /exec/configure

cdp enable

[no] cdp enable

Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP interface parameters
enable	Enable/disable CDP on all interfaces

Command Mode

- /exec/configure

cdp enable

[no] cdp enable

Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP interface parameters
enable	Enable/disable CDP on the interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether /exec/configure/if-vethernet /exec/configure/if-veth /exec/configure/if-veth-any /exec/configure/if-veth-all

cdp format device-id

[no] cdp format device-id { mac-address | serial-number | system-name }

Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP parameters
format	Device ID format for CDP
device-id	Device ID format for CDP
mac-address	Mac-address of the Chassis
serial-number	Chassis Serial Number/OUI
system-name	System name/Fully Qualified Domain Name (Default)

Command Mode

- /exec/configure

cdp holdtime

[no] cdp holdtime <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP parameters
holdtime	CDP hold time advertised (in seconds)
<i>i0</i>	CDP hold time advertised (in seconds)

Command Mode

- /exec/configure

cdp timer

[no] cdp timer <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
cdp	Configure CDP parameters
timer	CDP refresh time interval (in seconds)
<i>i1</i>	CDP refresh time interval (in seconds)

Command Mode

- /exec/configure

certificate

certificate <file-name> <host-name> | no certificate

Syntax Description

no	Negate a command or set its defaults
certificate	Specify certificate
<i>file-name</i>	.pem certificate filename
<i>host-name</i>	hostname associated with certificate

Command Mode

- /exec/configure/telemetry/destination-group

certificate

certificate { { trustpoint <trustpoint-label> } | { <file-name> } } <host-name> | no certificate

Syntax Description

no	Negate a command or set its defaults
certificate	Specify certificate
trustpoint	certificate trustpoint
<i>trustpoint-label</i>	trustpoint label name
<i>file-name</i>	.pem certificate filename
<i>host-name</i>	hostname associated with certificate

Command Mode

- /exec/configure/telemetry

certificate trustpoint

certificate trustpoint <trustpoint-label> [<host-name>] | no certificate

Syntax Description

no	Negate a command or set its defaults
certificate	Specify certificate
trustpoint	Specify trustpoint
<i>trustpoint-label</i>	trustpoint label name
<i>host-name</i>	(Optional) trustpoint label name

Command Mode

- /exec/configure/telemetry/destination-group/host

cfs debug all

cfs debug all

Syntax Description

cfs	CFS parameters
debug	Internal command for debugs
all	Internal command for debugs

Command Mode

- /exec

cfs distribute

[no] cfs distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
distribute	Enable fabric wide distribution

Command Mode

- /exec/configure

cfs eth distribute

[no] cfs eth distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
eth	ETH configurations
distribute	Enable CFS distribution over Ethernet

Command Mode

- /exec/configure

cfs ipv4 distribute

[no] cfs ipv4 distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv4	IPv4 configurations
distribute	Enable CFS distribution over IPv4

Command Mode

- /exec/configure

cfs ipv4 mcast-address

```
{ cfs ipv4 mcast-address <ip0> | no cfs ipv4 mcast-address [ <ip0> ] }
```

Syntax Description

no	Negate a command or set its defaults
ipv4	IPv4 configurations
mcast-address	Configure IPv4 multicast address
<i>ip0</i>	Admin scope [239.255/16, 239.192/16-239.251/16]

Command Mode

- /exec/configure

cfs ipv6 distribute

[no] cfs ipv6 distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	IPv6 configurations
distribute	Enable CFS distribution over IPv6

Command Mode

- /exec/configure

cfs ipv6 mcast-address

{ cfs ipv6 mcast-address <ipv6> | no cfs ipv6 mcast-address [<ipv6>] }

Syntax Description

no	Negate a command or set its defaults
ipv6	IPv6 configurations
mcast-address	Configure IPv6 multicast address

Command Mode

- /exec/configure

cfs refresh static-peers

cfs refresh static-peers

Syntax Description

cfs	CFS parameters
refresh	Internal command for static peers
static-peers	Internal command for static peers

Command Mode

- /exec

cfs region

[no] cfs region <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
region	Regions to limit the distribution scope of application(s)
<i>i0</i>	Region Id

Command Mode

- /exec/configure

cfs static-peers

[no] cfs static-peers

Syntax Description

no	(Optional) Negate a command or set its defaults
static-peers	Enable Static peers configuration mode

Command Mode

- /exec/configure

change-password

change-password [old-password <s1> new-password <s2>]

Syntax Description

change-password	Change your password
old-password	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
new-password	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s2</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

channel-group

[no] channel-group

Syntax Description

no	Negate a command or set its defaults
channel-group	Configure port channel parameters

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

channel-group

channel-group <channel-id> [mode { active | passive | on }]

Syntax Description

channel-group	Configure port channel parameters
mode	(Optional) Specify channeling mode
active	(Optional) Set channeling mode to ACTIVE
passive	(Optional) Set channeling mode to PASSIVE
on	(Optional) Set channeling mode to ON
<i>channel-id</i>	Specify a port-channel number

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

channel-group

[no] channel-group [<channel-id> [mode { active | passive | on }]]

Syntax Description

no	Negate a command or set its defaults
channel-group	Configure port channel parameters
mode	(Optional) Specify channeling mode
active	(Optional) Set channeling mode to ACTIVE
passive	(Optional) Set channeling mode to PASSIVE
on	(Optional) Set channeling mode to ON
<i>channel-id</i>	(Optional) Specify a port-channel number

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

channel-group

channel-group <channel-id> | no channel-group

Syntax Description

no	Negate a command or set its defaults
channel-group	add to/remove from a port-channel
<i>channel-id</i>	Specify a port-channel number

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-gig-ether /exec/configure/if-fcip

channel-group auto

channel-group auto | no channel-group auto

Syntax Description

no	Negate a command or set its defaults
channel-group	add to/remove from a san-port-channel
auto	Enable Auto Creation of Port Channel

Command Mode

- /exec/configure/if-fc /exec/configure/if-gig-ether /exec/configure/if-fcip

channel-group force

channel-group <channel-id> force

Syntax Description

channel-group	add to/remove from a san-port-channel
<i>channel-id</i>	Specify a san-port-channel number
force	Forcefully add a port

Command Mode

- /exec/configure/if-fc /exec/configure/if-gig-ether /exec/configure/if-fcip

channel-group force

channel-group <channel-id> force [mode { active | passive | on }] | no channel-group <channel-id> force [mode { active | passive | on }]

Syntax Description

no	Negate a command or set its defaults
channel-group	add to/remove from a port-channel
<i>channel-id</i>	Specify a port-channel number
force	Forcefully add a port
mode	(Optional) Specify channeling mode
active	(Optional) Set channeling mode to ACTIVE
passive	(Optional) Set channeling mode to PASSIVE
on	(Optional) Set channeling mode to ON

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

channel mode active

channel mode active | no channel mode active

Syntax Description

no	Negate a command or set its defaults
channel	Set the channel mode for the san-port-channel interface
mode	Set the channel mode for the san-port-channel interface
active	configure ACTIVE san-port-channel

Command Mode

- /exec/configure/if-san-port-channel

chassis associate chassis-serial module-serial port-profile module-side left

chassis associate <chassis_no> chassis-serial <serial_no> module-serial <mod_serial> port-profile <profile_name> module-side { left | right } | no chassis associate [<chassis_no>]

Syntax Description

no	Negate a command or set its defaults
chassis	Configure chassis
associate	Associate the port to a Chassis
<i>chassis_no</i>	Chassis number
chassis-serial	Chassis serial number
<i>serial_no</i>	Serial number
module-serial	Module serial number
<i>mod_serial</i>	Module serial number
port-profile	Port profile for mgmt vnic
<i>profile_name</i>	Profile name
module-side	Module Side
left	Left IO module slot
right	Right IO module slot

Command Mode

- /exec/configure/if-eth-12-non-member /exec/configure/if-eth-port-channel-switch

chassis management-instance fabric

chassis management-instance <inst> fabric <fabric_no> | no chassis management-instance

Syntax Description

no	Negate a command or set its defaults
chassis	Chassis configuration
management-instance	Management instance configuration
<i>inst</i>	Management Instance
fabric	Left fabric or Right fabric
<i>fabric_no</i>	Fabric number

Command Mode

- /exec/configure

checkpoint

[no] checkpoint <chkpoint_name>

Syntax Description

no	Negate a command or set its defaults
checkpoint	Delete configuration rollback checkpoint
<i>chkpoint_name</i>	Checkpoint name

Command Mode

- /exec

checkpoint

```
checkpoint { [ <name> ] [ description <descr_str> ] | file <file_uri> }
```

Syntax Description

checkpoint	Create configuration rollback checkpoint
<i>name</i>	(Optional) Checkpoint name
file	Create configuration rollback checkpoint to file
<i>file_uri</i>	Checkpoint file path
description	(Optional) checkpoint description for the given checkpoint
<i>descr_str</i>	(Optional) checkpoint description(can include spaces)

Command Mode

- /exec

cipher-suite

[no] cipher-suite <suite>

Syntax Description

cipher-suite	Configure Cipher Suite
<i>suite</i>	Cipher Suite options

Command Mode

- /exec/configure/tunenc-policy

cipher-suite

```
[no] cipher-suite { { enforce-peer <allowed-peer-cipher-suite1> [ <allowed-peer-cipher-suite2> [
<allowed-peer-cipher-suite3> [ <allowed-peer-cipher-suite4> ] ] ] } | <suite> }
```

Syntax Description

<code>cipher-suite</code>	Configure Cipher Suite
<code>enforce-peer</code>	Configure Enforce Peer
<code>allowed-peer-cipher-suite1</code>	Peer Cipher Suite option1
<code>allowed-peer-cipher-suite2</code>	(Optional) Peer Cipher Suite option2
<code>allowed-peer-cipher-suite3</code>	(Optional) Peer Cipher Suite option3
<code>allowed-peer-cipher-suite4</code>	(Optional) Peer Cipher Suite option4
<code>suite</code>	Cipher Suite options

Command Mode

- /exec/configure/macsec-policy

class-map

[no] class-map [type qos] [<any_or_all>] <omap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	(Optional) Specify the type of this class-map
qos	(Optional) Qos class
<i>any_or_all</i>	(Optional) Enter match-any or match-all
<i>omap-name</i>	class-map name

Command Mode

- /exec/configure

class-map type control-plane

[no] class-map type control-plane [<opt_any_or_all>] <cmmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
control-plane	Control-Plane
<i>opt_any_or_all</i>	(Optional) Enter match-any or match-all
<i>cmmap-name</i>	Class-map name

Command Mode

- /exec/configure

class-map type network-qos

[no] class-map type network-qos [match-any] <cmmap-name-nq>

Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
network-qos	Network QoS class
match-any	(Optional) Match on any criteria
<i>cmmap-name-nq</i>	class-map name

Command Mode

- /exec/configure

class-map type queuing

[no] class-map type queuing { <cmmap-dce-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
queuing	Queuing class
<i>cmmap-dce-name</i>	Queuing class-map name

Command Mode

- /exec/configure

class-map type queuing

```
[no] class-map type queuing [ <any_or_all> ] { xxx <omap-enum-name> | <omap-dce-name> | zzz
<omap-name-hque> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
class-map	Configure a class map
type	Specify the type of this class-map
queuing	Queuing class
<i>any_or_all</i>	(Optional) Enter match-any
<i>omap-enum-name</i>	
xxx	xxx
zzz	zzz
<i>omap-dce-name</i>	Queuing class-map name
<i>omap-name-hque</i>	Hierarchical class-map name

Command Mode

- /exec/configure

class

```
class { < cmap-name> [ insert-before < cmap-name2> ] | class-default } | no class { < cmap-name> | class-default }
}
```

Syntax Description

no	Negate a command or set its defaults
class	Attach class map to policy map
<i>cmap-name</i>	Class-map name
insert-before	(Optional) Insert this class before another class
<i>cmap-name2</i>	(Optional) class map name before which insertion should happen
class-default	Use class default

Command Mode

- /exec/configure/pmap

class

[no] class [type qos] <omap-name> [insert-before [type qos1] <omap-name2>]

Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
type	(Optional) Specify the type of class
qos	(Optional) Match on Qos class
<i>omap-name</i>	class map name
insert-before	(Optional) Insert this class before another class
qos1	(Optional) Insert before Qos class
<i>omap-name2</i>	(Optional) class map name

Command Mode

- /exec/configure/policy-map

class __inline__

[no] class __inline__ [type psp] <omap-name-plc> [insert-before <omap-name2>]

Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
__inline__	Inline Class
type	(Optional) Specify the type of class
psp	(Optional) Match on PSP class
<i>omap-name-plc</i>	class map name
insert-before	(Optional) Insert this class before another class
<i>omap-name2</i>	(Optional) class map name

Command Mode

- /exec/configure/policy-map/type/plc

class class-default

[no] class class-default

Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
class-default	System default class matching otherwise unclassified packets

Command Mode

- /exec/configure/policy-map

class type network-qos

[no] class type network-qos <cmmap-name-nq>

Syntax Description

no	(Optional) Negate a command or set its defaults
class	Match on network-qos class-map
type	Specify the type of this class-map
network-qos	Network QoS policy
<i>cmmap-name-nq</i>	Match class-map name

Command Mode

- /exec/configure/policy-map/type/uf

class type network-qos class-default

[no] class type network-qos class-default

Syntax Description

no	(Optional) Negate a command or set its defaults
class	Match on network-qos class-map
type	Specify the type of this class-map
network-qos	Network QoS policy
class-default	System default class matching otherwise not classified cos values

Command Mode

- /exec/configure/policy-map/type/uf

class type psp

```
[no] class type psp { <cmap-name-plc> | { handle1 <ppf_id1> } } [ insert-before { <cmap-name2> | { handle2 <ppf_id2> } } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
class	Policy Criteria
type	Specify the type of class
psp	Match on PSP class
<i>cmap-name-plc</i>	class map name
handle1	Handle1
<i>ppf_id1</i>	PPF ID1
insert-before	(Optional) Insert this class before another class
<i>cmap-name2</i>	(Optional) class map name
handle2	(Optional) Handle2
<i>ppf_id2</i>	(Optional) PPF ID2

Command Mode

- /exec/configure/policy-map/type/plc

class type queuing

```
[no] class type queuing { xxx <cmap-enum-name> | <cmap-dce-name> | zzz <cmap-name-hque> } [
insert-before type queuing1 yyy <xcmap-enum-name> ]
```

Syntax Description

xxx	xxx
yyy	(Optional) yyy
zzz	zzz
no	(Optional) Negate a command or set its defaults
class	Policy Criteria
type	Specify the type of class
queuing	Match on Queuing class
<i>cmap-enum-name</i>	
<i>cmap-dce-name</i>	Queuing class-map name
<i>cmap-name-hque</i>	Hierarchical class-map name
insert-before	(Optional) Insert this class before another class
queuing1	(Optional) Insert before Queuing class
<i>xcmap-enum-name</i>	(Optional)

Command Mode

- /exec/configure/policy-map/type/queuing

clear

```
clear { access-list counters [ <acl-ip-ipv6-mac-name> ] | ip access-list counters [ <acl-ip-name> ] | ipv6
access-list counters [ <acl-ipv6-name> ] | mac access-list counters [ <acl-mac-name> ] }
```

Syntax Description

clear	Reset functions
<i>acl-ip-ipv6-mac-name</i>	(Optional) List name
ip	Display IP information
ipv6	Display IPv6 information
mac	MAC configuration commands
access-list	Clear access list statistical information
counters	Clear access list counters
<i>acl-ip-name</i>	(Optional) List name
<i>acl-ipv6-name</i>	(Optional) List name
<i>acl-mac-name</i>	(Optional) List name

Command Mode

- /exec

clear

```
clear { { ip route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] } | { routing [ vrf { <vrf-name> | <vrf-known-name> } ] [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] } } { <all> | { { <ip-addr> | <ip-prefix> } [ { [ <nh-addr> | <nh-addr-v6> ] [ <nh-interface> ] } ] { <nh-label> } } } [ no-ufdm ]
```

Syntax Description

clear	Reset functions
route	Clear routing information
routing	Clear routing information
vrf	(Optional) Clear per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	Clear IP commands
ipv4	(Optional) Clear IP commands
unicast	(Optional) Clear unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) Topology name
all	Clear all routes
<i>ip-addr</i>	Clear single host route
<i>ip-prefix</i>	Clear single exact match route
<i>nh-addr</i>	(Optional) Clear single path
<i>nh-label</i>	(Optional) Clear single binding label path
<i>nh-interface</i>	(Optional) Interface Name
no-ufdm	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear

```
clear { { ipv6 route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] } | { routing [ vrf { <vrf-name> |
<vrf-known-name> } ] ipv6 [ unicast ] [ topology <topology-name> ] } } { <all> | { { <ipv6-addr> |
<ipv6-prefix> } [ { [ <nh-addr> ] [ <nh-interface> ] } | { <nh-label> } ] } } [ no-ufdm ]
```

Syntax Description

clear	Reset functions
route	Clear routing information
routing	Clear routing information
vrf	(Optional) Clear per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Clear IPv6 commands
unicast	(Optional) Clear unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) Topology name
all	Clear all routes
<i>nh-label</i>	(Optional) Clear single binding label path
<i>nh-interface</i>	(Optional) Interface Name
no-ufdm	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear

```
clear { { ip eigrp [ <eigrp-ptag> ] neighbors { * | <address> | <interface> } [ soft ] [ no-goodbye ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ] } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors { * | <ipv6-addr> |
<interface> } [ soft ] [ no-goodbye ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
neighbors	Clear EIGRP neighbors
*	Clear all EIGRP neighbors
<i>address</i>	IP-EIGRP neighbor address
<i>interface</i>	Interface
soft	(Optional) Soft reset
no-goodbye	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>eigrp-ptag</i>	(Optional)

Command Mode

- /exec

clear aaa client radius statistics

clear aaa client radius statistics <hostname>

Syntax Description

clear	Reset functions
aaa	clear aaa information
client	clear AAA client info
radius	clear radius dynamic authorization client info
statistics	clear radius dynamic authorization client statistics
<i>hostname</i>	IPV4/IPV6 address or DNS name of RADIUS client

Command Mode

- /exec

clear aaa local user blocked username

```
clear aaa local user blocked { username <s0> | all }
```

Syntax Description

clear	Reset functions
aaa	Configure aaa functions
local	Local username
user	Local system user
blocked	Clear blocked user
username	Blocked username
<i>s0</i>	Enter the username
all	Clear all the blocked users

Command Mode

- /exec

clear aaa server radius statistics

clear aaa server radius statistics

Syntax Description

clear	Reset functions
aaa	clear aaa information
server	clear Local AAA server info
radius	clear local radius server info
statistics	clear local radius server statistics

Command Mode

- /exec

clear aaa user blocked username

```
clear aaa user blocked { username <s0> | all }
```

Syntax Description

clear	Reset functions
aaa	Configure aaa functions
user	system user to clear
blocked	Clear blocked user
username	Blocked username
<i>s0</i>	Enter the username
all	Clear all the blocked users

Command Mode

- /exec

clear access-list dest-miss stats

```
clear access-list dest-miss stats [ module <module> ]
```

Syntax Description

clear	Reset functions
access-list	Access Control List
dest-miss	destination-miss info
stats	Clear Statistics for Hardware destination-miss
module	(Optional) Slot/Module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

clear access-list hardware counters

clear access-list hardware counters [module <module>]

Syntax Description

clear	Reset functions
access-list	Clear access list statistical information
hardware	hardware information
counters	Clear access list counters
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

clear access-list ipsg stats

```
clear access-list ipsg stats [ module <module> ] [ instance <instance_number> ]
```

Syntax Description

clear	Reset functions
access-list	access-list
ipsg	ipsg
stats	Clear Statistics of IPSG drop entries
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
<i>instance_number</i>	(Optional) ASIC Instance Number in Decimal

Command Mode

- /exec

clear accounting log

clear accounting log

Syntax Description

clear	Reset functions
accounting	Clear accounting log(s) in all vdc's
log	Clear the accounting log(s) in all vdc's

Command Mode

- /exec

clear aclqos cl-qos

clear aclqos cl-qos

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
cl-qos	cl-qos logs of ACLQOS

Command Mode

- /exec

clear aclqos fab

clear aclqos fab

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
fab	Fabric logs of ACLQOS

Command Mode

- /exec

clear aclqos fc

clear aclqos fc

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
fc	fc logs of ACLQOS

Command Mode

- /exec

clear aclqos libdrv

clear aclqos libdrv

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
libdrv	libdrv logs of ACLQOS

Command Mode

- /exec

clear aclqos map

clear aclqos map

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
map	map logs of ACLQOS

Command Mode

- /exec

clear aclqos merge

clear aclqos merge

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
merge	merge logs of ACLQOS

Command Mode

- /exec

clear aclqos pl

clear aclqos pl

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
pl	pl logs of ACLQOS

Command Mode

- /exec

clear aclqos ppf-parse

clear aclqos ppf-parse

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
ppf-parse	ppf-parse logs of ACLQOS

Command Mode

- /exec

clear aclqos ppf

clear aclqos ppf

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
ppf	ppf logs of ACLQOS

Command Mode

- /exec

clear aclqos qng-hw

clear aclqos qng-hw

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
qng-hw	Qng logs of ACLQOS

Command Mode

- /exec

clear aclqos qng

clear aclqos qng

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
qng	Qng logs of ACLQOS

Command Mode

- /exec

clear aclqos rl

clear aclqos rl

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
rl	RL logs of ACLQOS

Command Mode

- /exec

clear aclqos rm

clear aclqos rm

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
rm	RM logs of ACLQOS

Command Mode

- /exec

clear aclqos sch

clear aclqos sch

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
sch	Sch logs of ACLQOS

Command Mode

- /exec

clear aclqos stats

clear aclqos stats

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
stats	stats logs of ACLQOS

Command Mode

- /exec

clear aclqos tbl

clear aclqos tbl

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
tbl	tbl logs of ACLQOS

Command Mode

- /exec

clear aclqos trace-detail

clear aclqos trace-detail

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
trace-detail	detail logs of ACLQOS

Command Mode

- /exec

clear aclqos trace

clear aclqos trace

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
trace	trace logs of ACLQOS

Command Mode

- /exec

clear aclqos uf

clear aclqos uf

Syntax Description

clear	Reset functions
aclqos	Configure aclqos debug
uf	UF logs of ACLQOS

Command Mode

- /exec

clear bfd statistics

clear bfd statistics

Syntax Description

clear	Clear
bfd	bfd
statistics	statistics

Command Mode

- /exec

clear bgp

```
clear bgp { ipv4 { unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospf | rip } <tag> } |
static | direct | amt | lisp | hmm | am ] } | { neighbor <neighbor-id> [ default-originate | { route-map | filter-list
| prefix-list } { in | out } ] } | { dampening } | { network { <ip-addr> mask <ip-mask> <ip-prefix> } } | {
aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | { vpnv4 |
vpnv6 } unicast policy statistics { neighbor <neighbor-id> [ { route-map | filter-list | prefix-list } { in | out }
] } | ipv6 { unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static
| direct | amt | lisp | hmm | am ] } | { neighbor { <neighbor-id> | <ipv6-neighbor-id> } [ default-originate | {
route-map | filter-list | prefix-list } { in | out } ] } | { dampening } | { network <ipv6-prefix> } | {
aggregate-address <ipv6-prefix> { suppress-map | advertise-map } } } }
```

Syntax Description

clear	Reset functions
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	Clear VPNv4 address-family
vpnv6	Clear VPNv6 address-family
bgp	Clear BGP sessions
unicast	Clear unicast address-family
multicast	Clear multicast address-family
policy	Clear policy related information
statistics	Clear Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First (OSPF)
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol
static	(Optional) Static routes
direct	(Optional) Directly connected
amt	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
lisp	(Optional) LISP EID-prefixes in the non-default VRF
hmm	(Optional) HMM prefix

am	(Optional) AM routes (learned via ARP)
tag	(Optional) Source protocol tag
neighbor	Clear neighbor specific counters
neighbor-id	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Clear dampening info
network	Configured IP prefix to advertise
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
ip-addr	IP network advertised
mask	Configured mask of the IP prefix advertised
ip-mask	Dotted 4-octet mask
ip-prefix	IP prefix in CIDR format

Command Mode

- /exec

clear bgp bmp stats server

```
clear bgp bmp stats server { <server-id> | all }
```

Syntax Description

clear	Reset functions
bgp	Clear BGP sessions
bmp	Clear BMP
stats	Server Stats
server	BMP Server
<i>server-id</i>	Server ID
all	All BMP Servers

Command Mode

- /exec

clear bgp rpki cache

clear bgp rpki cache *

Syntax Description

clear	Reset functions
bgp	Clear BGP sessions
rpki	Clear RPKI
cache	RPKI Cache
*	Clear all caches (Should be a * character)

Command Mode

- /exec

clear bootflash

clear bootflash

Syntax Description

clear	Format disks
bootflash	Clear bootflash

Command Mode

- /exec

clear bootvar log

clear bootvar log

Syntax Description

clear	Reset functions
bootvar	Clear the bootvar log
log	Clear the bootvar log

Command Mode

- /exec

clear cdp counters

```
clear cdp { counters [ interface <if0> ] | table [ interface1 <if1> ] }
```

Syntax Description

clear	Reset functions
cdp	Cisco Discovery Protocol
counters	Clear CDP counters on all interfaces
interface	(Optional) Clear CDP counters on an interface
<i>if0</i>	(Optional)
table	Clear CDP cache on all interfaces
interface1	(Optional) Clear CDP cache on an interface
<i>if1</i>	(Optional)

Command Mode

- /exec

clear checkpoint database

clear checkpoint database [user | system]

Syntax Description

clear	Reset functions
checkpoint	Clear configuration rollback checkpoint
database	Clear configuration rollback checkpoint database
user	(Optional) Clear configuration rollback checkpoint database for user checkpoints
system	(Optional) Clear configuration rollback checkpoint database for system checkpoints

Command Mode

- /exec

clear cli history

clear cli history

Syntax Description

clear	Reset functions
cli	debug cli
history	history of cli commands

Command Mode

- /exec

clear configuration

clear configuration

Syntax Description

clear	Reset functions
configuration	session configuration

Command Mode

- /exec/configure

clear configuration commits oldest

clear configuration commits { oldest <s0> | diskspace <s1> }

Syntax Description

clear	Reset functions
configuration	session configuration
commits	Delete commits from the commit database
oldest	Delete oldest <n> rollback points
<i>s0</i>	Number of rollback points to delete
diskspace	Free up specified amount of disk space
<i>s1</i>	Number of Kilo Bytes of disk space to free

Command Mode

- /exec

clear controller accounting log

clear controller <ctrl-id> accounting log

Syntax Description

clear	Show running system information
controller	Controller command
<i>ctrl-id</i>	Controller id value
accounting	Accounting
log	Clear log information

Command Mode

- /exec

clear copp statistics

clear copp statistics

Syntax Description

clear	Reset functions
copp	Clear policy information for copp
statistics	Clear statistics

Command Mode

- /exec

clear cores

clear cores

Syntax Description

clear	Reset functions
cores	clear all core dumps for the switch

Command Mode

- /exec

clear cores archive

clear cores archive [file <s0>]

Syntax Description

clear	Reset functions
cores	clear all cores for this vdc
archive	clear all core dump files for this vdc from logflash on this module
file	(Optional) delete a core file on logflash
s0	(Optional) Name of file in directory 'core

Command Mode

- /exec

clear counters

clear counters

Syntax Description

clear	Reset functions
counters	Clear counters

Command Mode

- /exec

clear counters buffers

```
clear counters buffers [ module <module> [ instance <instance> ] ] [ __readonly__ <clear_valid> ]
```

Syntax Description

clear	Reset functions
counters	Clear counters
buffers	Clear system buffer max cell usage counter
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
<i>instance</i>	(Optional) ASIC Instance Number in Decimal
<u>__readonly__</u>	(Optional) Read Only
<i>clear_valid</i>	(Optional) Clear

Command Mode

- /exec

clear counters interface

clear counters interface <ifindex>

Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex</i>	Clear interface counters

Command Mode

- /exec

clear counters interface

clear counters interface <ifindex1> [snmp]

Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex1</i>	Clear interface counters
snmp	(Optional) Clear snmp interface counters

Command Mode

- /exec

clear counters interface all

clear counters interface all

Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
all	Clear all interface counters

Command Mode

- /exec

clear counters interface snmp

clear counters interface <ifindex> snmp

Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex</i>	Clear interface counters
snmp	Clear snmp interface counters

Command Mode

- /exec

clear counters interface transceiver performance-monitoring history fec interval

```
clear counters interface <ifindex> transceiver performance-monitoring history <bucket_interval> { fec | optics
} interval <interval_value>
```

Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex</i>	Clear interface counters
transceiver	Clear transceiver interface counters
performance-monitoring	Clear performance-monitoring counters
history	Show current transceiver pm information
<i>bucket_interval</i>	bucket_interval
fec	clear counters for fec layer
optics	clear counters for optics layer
interval	clear counters for specific interval value
<i>interval_value</i>	Select interval value to clear performance-monitoring history data

Command Mode

- /exec

clear counters interface transceiver performance-monitoring current fec

```
clear counters interface <ifindex> transceiver performance-monitoring current <bucket_interval> { fec | optics
}
```

Syntax Description

clear	Reset functions
counters	Clear counters
interface	Clear interface counters
<i>ifindex</i>	Clear interface counters
transceiver	Clear transceiver interface counters
performance-monitoring	Clear performance-monitoring counters
current	Show current transceiver pm information
<i>bucket_interval</i>	bucket_interval
fec	clear counters for fec layer
optics	clear counters for optics layer

Command Mode

- /exec

clear counters mpls strip

clear counters mpls strip

Syntax Description

clear	Reset functions
mpls	MPLS information
strip	Stripping of MPLS headers
counters	stats/counters for labels

Command Mode

- /exec

clear counters tah-buffers

```
clear counters tah-buffers [ module <module> ] [ { instance <instance> | { unit <unit> slice <slice> } } ]
```

Syntax Description

clear	Reset functions
counters	Clear counters
tah-buffers	Clear system buffer max cell usage counter
instance	(Optional) ASIC Instance Number
<i>instance</i>	(Optional) ASIC Instance Number in Decimal
unit	(Optional) Asic Number
<i>unit</i>	(Optional) Asic Number on the module
slice	(Optional) slice num on asic
<i>slice</i>	(Optional) slice number on asic
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

clear crypto ca trustpool timer

clear crypto ca trustpool timer

Syntax Description

clear	Reset functions
crypto	Set crypto settings
ca	Configure certificate authority related information
trustpool	certificate trustpool
timer	clear trustpool timer

Command Mode

- /exec/

clear debug logfile

clear debug logfile <s0>

Syntax Description

clear	Reset functions
debug	Debugging functions
logfile	Remove the debug logfile
s0	Provide name of the file

Command Mode

- /exec

clear device-alias database

clear device-alias database

Syntax Description

clear	Reset functions
device-alias	Clear commands for device-alias
database	Clear device-alias database

Command Mode

- /exec

clear device-alias session

clear device-alias session

Syntax Description

clear	Reset functions
device-alias	Clear commands for device-alias
session	Clear device-alias session

Command Mode

- /exec

clear device-alias statistics

clear device-alias statistics

Syntax Description

clear	Reset functions
device-alias	Clear commands for device-alias
statistics	Clear device-alias statistics

Command Mode

- /exec

clear dot1x all

{ clear dot1x all } | { clear dot1x interface <if> } | { clear dot1x mac <addr> } | { clear dot1x dacl-clients }

Syntax Description

clear	Reset functions
dot1x	dot1x configuration commands
all	Authenticator instances on all interfaces
mac	Specific MAC address of the Supplicant
dacl-clients	All existing DACLS
<i>if</i>	target interface
<i>addr</i>	MAC Address

Command Mode

- /exec

clear dot1x stats interface

```
{ clear dot1x stats interface <if> } | { clear dot1x stats mac <addr> }
```

Syntax Description

clear	Reset functions
dot1x	dot1x configuration commands
stats	clear stats
mac	Specific MAC address of the Supplicant
<i>if</i>	target interface
<i>addr</i>	MAC Address

Command Mode

- /exec

clear dpvm auto-learn

```
clear dpvm auto-learn [ pwwn <wwn0> ] [ mac <mac0> ]
```

Syntax Description

clear	Reset functions
dpvm	Dynamic Port Vsan Membership (dpvm)
auto-learn	Clear dpvm auto-learnt entries
pwwn	(Optional) Device PWWN
<i>wwn0</i>	(Optional) PWWN of the Device
mac	(Optional) FCoE Device MAC
<i>mac0</i>	(Optional) MAC address

Command Mode

- /exec

clear dpvm merge statistics

clear dpvm merge statistics

Syntax Description

clear	Reset functions
dpvm	Dynamic Port Vsan Membership (dpvm)
merge	Clear dpvm merge information
statistics	Clear dpvm merge statistics

Command Mode

- /exec

clear dpvm session

clear dpvm session

Syntax Description

clear	Reset functions
dpvm	Dynamic Port Vsan Membership (dpvm)
session	Clear dpvm session

Command Mode

- /exec

clear ecp statistics

clear ecp statistics

Syntax Description

clear	Reset functions
ecp	ECP (Edge Control Protocol)
statistics	Clear ECP Statistics

Command Mode

- /exec

clear epbr statistics policy

clear epbr statistics policy <policy-name>

Syntax Description

clear	Reset functions
epbr	EPBR policy
statistics	EPBR statistics
policy	EPBR Policy
<i>policy-name</i>	EPBR policy-name

Command Mode

- /exec

clear esmc counters interface

```
clear esmc counters { interface <if0> | all }
```

Syntax Description

clear	Reset functions
esmc	Ethernet Synchronization Messaging Channel
counters	clear ESMC packet counters
interface	Enter the port interface
<i>if0</i>	
all	Clears all information

Command Mode

- /exec

clear evb hosts

```
clear evb { hosts | vsi } [ force-standby ] [ { [ mac <mac-addr> | interface <intf-name> | vlan <vlan-id> | vni
<vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> ]+ } ]
```

Syntax Description

clear	Reset functions
evb	EVB (Edge Virtual Bridge)
hosts	Clear EVB host information
vsi	Clear EVB vsi information
force-standby	(Optional) Force to clear standby entries
mac	(Optional) Clear entries by filtering MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Clear entries by filtering interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Clear entries by filtering VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Clear entries by filtering VNI
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Clear entries by filtering IP address
ipv6	(Optional) Clear entries by filtering IPv6 address
<i>ip-addr</i>	(Optional) IPv4 host address

Command Mode

- /exec

clear evb hosts

```
clear evb { hosts | vsi } [ force-standby ] *
```

Syntax Description

clear	Reset functions
evb	EVB (Edge Virtual Bridge)
hosts	Clear EVB host information
vsi	Clear EVB vsi information
force-standby	(Optional) Force to clear standby entries
*	Clear all entries (Should be a * character)

Command Mode

- /exec

clear evb statistics

clear evb statistics

Syntax Description

clear	Reset functions
evb	EVB (Edge Virtual Bridge)
statistics	Clear EVB Statistics

Command Mode

- /exec

clear fabric-binding statistics vsan

clear fabric-binding statistics vsan <i0>

Syntax Description

clear	Reset functions
fabric-binding	Fabric Binding
statistics	Clear fabric-binding counters
vsan	Clear statistics for a VSAN
<i>i0</i>	VSAN range

Command Mode

- /exec

clear fabric database dci vrf node-id

```
clear fabric database dci vrf { <vrf-name> | <vrf-known-name> } node-id <mgmt-ip-address> [ peer-id
<peer-ip-address> ]
```

Syntax Description

clear	Reset functions
fabric	Fabric
database	Fabric Database
dci	DCI profile
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
node-id	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(Optional) IP address in CIDR format

Command Mode

- /exec

clear fabric database host statistics

clear fabric database host statistics

Syntax Description

clear	Reset functions
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics

Command Mode

- /exec

clear fabric database statistics

```
clear fabric database statistics [ type { network | profile | cabling | partition | bl-dci } [ server-protocol ldap { ipv6
<ipv6addr> | ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> }
]]]
```

Syntax Description

clear	Reset functions
fabric	Fabric
database	Clear Fabric Database
statistics	Clear database statistics
type	(Optional) Enter database type
network	(Optional) Network Database
profile	(Optional) Port or Switch Profile Database
cabling	(Optional) Cable Management Database
partition	(Optional) Partition Database
bl-dci	(Optional) Border Leaf - DCI
server-protocol	(Optional) Enter database protocol
ldap	(Optional) Use LDAP
ipv6	(Optional) IPv6 address of server
ip	(Optional) IP address of server
<i>ipaddr</i>	(Optional) Enter IP address of server
host	(Optional) Hostname of server
<i>hostname</i>	(Optional) Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear fabric database statistics type server-proto radius group

clear fabric database statistics type { network | profile | cabling | partition | bl-dci } server-proto radius group <groupname>

Syntax Description

clear	Reset functions
fabric	Fabric
database	Clear Fabric Database
statistics	Clear database statistics
type	Enter database type
network	Network Database
profile	Port or Switch Profile Database
cabling	Cable Management Database
partition	Partition Database
bl-dci	Border Leaf - DCI
server-proto	Enter database protocol
radius	Use RADIUS
group	AAA group
<i>groupname</i>	Enter AAA group name of servers

Command Mode

- /exec

clear fabric database statistics type server-proto xmpp ip

```
clear fabric database statistics type { network | profile | cabling | partition | bl-dci } server-proto xmpp { ip
<ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
fabric	Fabric
database	Clear Fabric Database
statistics	Clear database statistics
type	Enter database type
network	Network Database
profile	Port or Switch Profile Database
cabling	Cable Management Database
partition	Partition Database
bl-dci	Border Leaf - DCI
server-proto	Enter database protocol
xmpp	Use XMPP
ip	IP address of server
<i>ipaddr</i>	Enter IP address of server
host	Hostname of server
<i>hostname</i>	Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear fabric forwarding dup-host

```
clear fabric forwarding dup-host [ { ip <ip-addr> | ipv6 <ipv6-addr> } ][ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

clear	Reset functions
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host	Duplicate host
ip	(Optional) Clear IP commands
<i>ip-addr</i>	(Optional) IPV4 source address
ipv6	(Optional) Clear IPv6 commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Clear duplicate hosts for all vrfs

Command Mode

- /exec

clear fabricpath isis adjacency

```
clear fabricpath isis [ <l2mp-isis-tag> ] adjacency { * | { <interface> | system-id <sid> } + }
```

Syntax Description

clear	Reset functions
fabricpath	Clear fabricpath information
isis	Fabricpath IS-IS information
<i>l2mp-isis-tag</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Hostname or System ID (in the form of XXXX.XXXX.XXXX)

Command Mode

- /exec

clear fabricpath isis statistics

clear fabricpath isis [<l2mp-isis-tag>] statistics *

Syntax Description

clear	Reset functions
fabricpath	Clear fabricpath information
isis	Fabricpath IS-IS information
<i>l2mp-isis-tag</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
statistics	Clear IS-IS protocol statistics
*	All IS-IS protocol statistics

Command Mode

- /exec

clear fabricpath isis traffic

```
clear fabricpath isis [ <l2mp-isis-tag> ] traffic { * | <interface> }
```

Syntax Description

clear	Reset functions
fabricpath	Clear fabricpath information
isis	Fabricpath IS-IS information
<i>l2mp-isis-tag</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
traffic	Clear IS-IS traffic information
*	All IS-IS traffic information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

clear fc2

clear fc2 [counters]

Syntax Description

clear	Reset functions
fc2	Clear FC2 Port Counters
counters	(Optional) Clear All FC2/FCoE Port Counters

Command Mode

- /exec

clear fc2

clear fc2 [counters]

Syntax Description

clear	Reset functions
fc2	Clear FC2 Port Counters
counters	(Optional) Clear All FC2/FCoE Port Counters

Command Mode

- /exec

clear fcdomain session vsan

clear fcdomain session vsan <i0>

Syntax Description

clear	Reset functions
fcdomain	Clear lock across VSAN
session	Clear lock across VSAN
vsan	Specify the vsan id
<i>i0</i>	VSAN id

Command Mode

- /exec

clear fcns statistics vsan

clear fcns statistics vsan <i0>

Syntax Description

clear	Reset functions
fcns	clear fcns counters
statistics	clear name server statistics
vsan	clear name server statistics for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

clear fcs statistics vsan

clear fcs statistics vsan <i0>

Syntax Description

clear	Reset functions
statistics	Clear fcs counters
vsan	Clear statistics for a VSAN
<i>i0</i>	VSAN range

Command Mode

- /exec

clear fctimer session

clear fctimer session

Syntax Description

clear	Reset functions
fctimer	clear fctimer cfs session
session	abort an existing cfs session

Command Mode

- /exec

clear filter stats

clear filter <seqno> stats

Syntax Description

clear	Clear filter statistics
filter	Configured FPT Filter
<i>seqno</i>	Sequence number
stats	Clear filter statistics

Command Mode

- /exec/flow-path-tracer

clear flow cache

clear flow cache [ipv4 | ipv6 | ce] [force-export]

Syntax Description

clear	Reset functions
flow	NetFlow information
cache	Clear only cache contents
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
force-export	(Optional) Force the cache entries to be exported

Command Mode

- /exec

clear flow cache

clear flow cache [ipv4 | ipv6 | ce] [force-export]

Syntax Description

clear	Reset functions
flow	NetFlow information
cache	Clear only cache contents
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
force-export	(Optional) Force the cache entries to be exported

Command Mode

- /exec

clear flow exporter

```
clear flow exporter { [ name ] <exportername> | all }
```

Syntax Description

clear	Reset functions
flow	NetFlow information
exporter	Clear NetFlow exporter statistics
name	(Optional) The name of the exporter
<i>exportername</i>	Specify an exporter
all	Clear all exporter statistics

Command Mode

- /exec

clear flow rtp details

```
clear flow rtp { details | history } [ ipv4 | ipv6 ]
```

Syntax Description

clear	Reset functions
flow	NetFlow information
rtp	Clear rtp cache contents
details	flow details
history	clear rtp history entries
ipv4	(Optional) clear ipv4 cache entries
ipv6	(Optional) clear ipv6 cache entries

Command Mode

- /exec

clear forwarding adjacency mpls stats

```
clear forwarding [ ipv4 ] adjacency mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ <aif> ] [ <anh> ] [ module <module> ]
```

Syntax Description

clear	Reset functions
forwarding	forwarding
adjacency	display adjacency information
mpls	mpls adjacency information
stats	Clear adjacency statistics
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv4	(Optional) ipv4
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding cumulative counter

```
clear forwarding cumulative counter [ all | v4_ucast_add | v4_ucast_del | v6_ucast_add | v6_ucast_del ] [
module <module> ]
```

Syntax Description

clear	clear
forwarding	forwarding information
cumulative	accumulated prefix add/delete count
counter	counter
all	(Optional) all
v4_ucast_add	(Optional) IPv4 unicast route add count
v4_ucast_del	(Optional) IPv4 unicast route delete count
v6_ucast_add	(Optional) IPv6 unicast route add count
v6_ucast_del	(Optional) IPv6 unicast route delete count
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding datamdt-route-history

clear forwarding datamdt-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
datamdt-route-history	DataMDT Route history

Command Mode

- /exec

clear forwarding distribution lisp counters all

clear forwarding distribution lisp counters all

Syntax Description

clear	
forwarding	forwarding
distribution	fib distribution information
lisp	lisp application
counters	counters
all	all vrf's

Command Mode

- /exec

clear forwarding events-history

clear forwarding events-history

Syntax Description

clear	Reset functions
forwarding	forwarding
events-history	Events history

Command Mode

- /exec

clear forwarding inconsistency

clear forwarding [ipv4 | ip] [unicast] inconsistency

Syntax Description

clear	clear
forwarding	forwarding
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
inconsistency	route inconsistency check

Command Mode

- /exec

clear forwarding ipv4 multicast counters

```
clear forwarding ipv4 multicast counters [ vrf { <vrf-name> | <vrf-known-name> | all } ] { [ group <gaddr>
[ source <saddr> ] ] | [ source <saddr> [ group <gaddr> ] ] } [ module <module> ]
```

Syntax Description

clear	
forwarding	fib information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv4	Ipv4
multicast	Multicast IPv4 information
counters	
group	(Optional) Multicast IPv4 Group specific info
<i>gaddr</i>	(Optional) Multicast IPv4 Group Address
source	(Optional) Multicast IPv4 Source specific info
<i>saddr</i>	(Optional) Multicast IPv4 Source Address
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding ipv6-l3-route-history

clear forwarding ipv6-l3-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
ipv6-l3-route-history	IPV6 L3 Route history

Command Mode

- /exec

clear forwarding ipv6 adjacency mpls stats

```
clear forwarding ipv6 adjacency mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ <aif> ] [ <anh> ] [ module <module> ]
```

Syntax Description

clear	Reset functions
forwarding	forwarding
ipv6	ipv6
adjacency	adjacency information
mpls	mpls adjacency information
stats	Clear adjacency statistics
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
<i>aif</i>	(Optional) adjacency output interface
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding ipv6 inconsistency

clear forwarding ipv6 [unicast] inconsistency

Syntax Description

clear	clear
forwarding	forwarding
ipv6	ipv6
unicast	(Optional) unicast
inconsistency	route inconsistency check

Command Mode

- /exec

clear forwarding ipv6 multicast counters

```
clear forwarding ipv6 multicast counters [ vrf { <vrf-name> | <vrf-known-name> | all } ] { [ group <gaddr>
[ source <saddr> ] ] | [ source <saddr> [ group <gaddr> ] ] } [ module <module> ]
```

Syntax Description

clear	
forwarding	fib information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Ipv6
multicast	Multicast IPv6 information
counters	
group	(Optional) Multicast IPv6 Group specific info
source	(Optional) Multicast IPv6 Source specific info
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding ipv6 route module

```
clear forwarding ipv6 { route } [ vrf <vrf-name> ] { <prefix> | all_routes } module { all_modules | <module> } [ no-urib ]
```

Syntax Description

clear	
forwarding	forwarding information
ipv6	ipv6
route	route
vrf	(Optional) delete routes for a specific vrf
<i>vrf-name</i>	(Optional) VRF name
all_routes	delete all routes
module	module
all_modules	all module's
<i>module</i>	module number
no-urib	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear forwarding l2-mc-route-history

clear forwarding l2-mc-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l2-mc-route-history	L2 MacgRoute history

Command Mode

- /exec

clear forwarding l2-oiflist-history

clear forwarding l2-oiflist-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l2-oiflist-history	L2 Oiflist history

Command Mode

- /exec

clear forwarding l2-route-history

clear forwarding l2-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l2-route-history	L2 Route history

Command Mode

- /exec

clear forwarding l2_prime-oiflist-history

clear forwarding l2_prime-oiflist-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l2_prime-oiflist-history	L2 Oiflist history

Command Mode

- /exec

clear forwarding l2mcast info l2-mc-route-history

clear forwarding l2mcast info l2-mc-route-history [module <num>]

Syntax Description

clear	Reset functions
forwarding	forwarding
l2mcast	l2mcast
info	L2mcast Internal Info
l2-mc-route-history	L2 Macg Route history
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

clear forwarding l2mcast info l2-oiflist-history

clear forwarding l2mcast info l2-oiflist-history [module <num>]

Syntax Description

clear	Reset functions
forwarding	forwarding
l2mcast	l2mcast
info	L2mcast Internal Info
l2-oiflist-history	L2 oiflist history
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

clear forwarding l2mcast info l2-route-history

clear forwarding l2mcast info l2-route-history [module <num>]

Syntax Description

clear	Reset functions
forwarding	forwarding
l2mcast	l2mcast
info	L2mcast Internal Info
l2-route-history	L2 Route history
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

clear forwarding l2mcast info l2-xbar-history

```
clear forwarding l2mcast info l2-xbar-history [ module <num> ]
```

Syntax Description

clear	Reset functions
forwarding	forwarding
l2mcast	l2mcast
info	L2mcast Internal Info
l2-xbar-history	L2 Route history
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

clear forwarding l2mcast info statistics

clear forwarding l2mcast info statistics [module <num>]

Syntax Description

clear	Clear all entries
forwarding	Forwarding Information
l2mcast	Layer-2 multicast
info	L2mcast Internal Info
statistics	L2mcast Internal Info Statistics
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

clear forwarding l2rib-route-history

clear forwarding l2rib-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l2rib-route-history	L2rib Route history

Command Mode

- /exec

clear forwarding l2vpn trace member-history

clear forwarding l2vpn trace member-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l2vpn	L2VPN
trace	internal trace
member-history	member history

Command Mode

- /exec

clear forwarding l3-route-history

clear forwarding l3-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
l3-route-history	L3 Route history

Command Mode

- /exec

clear forwarding mpls drop-stats

clear forwarding mpls drop-stats

Syntax Description

clear	Clear Statistics
forwarding	forwarding
mpls	mpls forwarding
drop-stats	Clear dropped packets stats

Command Mode

- /exec

clear forwarding mpls stats

```
clear forwarding mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ [ label
<label> | <prefix> | <v6prefix> ] ] [ label-space <label-space-id> ] [ module <module> ]
```

Syntax Description

clear	Reset functions
forwarding	forwarding
mpls	mpls
stats	Clear Input Statistics
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
label-space	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>label-space-id</i>	(Optional) label space id
label	(Optional) mpls labels
<i>label</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Labels for single exact match route
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding mpls trace adj-history

clear forwarding mpls trace adj-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
mpls	mpls
trace	internal trace
adj-history	adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding mpls trace ecmp-history

clear forwarding mpls trace ecmp-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
mpls	mpls
trace	internal trace
ecmp-history	ECMP history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding mpls trace label-history

clear forwarding mpls trace label-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
mpls	mpls
trace	internal trace
label-history	label history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding mpls trace te-history

clear forwarding mpls trace te-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
mpls	mpls
trace	internal trace
te-history	TE history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding oiflist-history

clear forwarding oiflist-history

Syntax Description

clear	Reset functions
forwarding	forwarding
oiflist-history	Oiflist history

Command Mode

- /exec

clear forwarding otv oiflist-history

clear forwarding otv oiflist-history

Syntax Description

clear	Reset functions
forwarding	forwarding
otv	Display OTV information
oiflist-history	Oiflist history

Command Mode

- /exec

clear forwarding proactive-cc inconsistencies

clear forwarding proactive-cc inconsistencies

Syntax Description

clear	
forwarding	Forwarding Information
proactive-cc	Proactive Consistency Checker
inconsistencies	Clear CC run inconsistencies

Command Mode

- /exec

clear forwarding proactive-cc stats

clear forwarding proactive-cc stats

Syntax Description

clear	
forwarding	Forwarding Information
proactive-cc	Proactive Consistency Checker
stats	Clear CC run stats

Command Mode

- /exec

clear forwarding route module

```
clear forwarding [ ip | ipv4 ] { route } [ vrf <vrf-name> ] { <prefix> | all_routes } module { all_modules |
<module> } [ no-urib ]
```

Syntax Description

clear	
forwarding	forwarding information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
route	route
vrf	(Optional) delete routes for a specific vrf
<i>vrf-name</i>	(Optional) VRF name
<i>prefix</i>	delete specific prefix
all_routes	delete all routes
module	module
all_modules	all module's
<i>module</i>	module number
no-urib	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear forwarding trace ecmp-history

clear forwarding trace ecmp-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
ecmp-history	ECMP history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace mfib mct-history

clear forwarding trace mfib mct-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
mct-history	mct history

Command Mode

- /exec

clear forwarding trace mfib oif-history

clear forwarding trace mfib oif-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
oif-history	oif history

Command Mode

- /exec

clear forwarding trace mfib oiflist-history

clear forwarding trace mfib oiflist-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
oiflist-history	oiflist history

Command Mode

- /exec

clear forwarding trace mfib otv oif-history

clear forwarding trace mfib otv oif-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv entries
oif-history	oif history

Command Mode

- /exec

clear forwarding trace mfib otv oiflist-history

clear forwarding trace mfib otv oiflist-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv entries
oiflist-history	oiflist history

Command Mode

- /exec

clear forwarding trace mfib otv v4-route-history

clear forwarding trace mfib otv v4-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv entries
v4-route-history	v4 route history

Command Mode

- /exec

clear forwarding trace mfib otv v6-route-history

clear forwarding trace mfib otv v6-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
otv	otv mfib entries
v6-route-history	v6 route history

Command Mode

- /exec

clear forwarding trace mfib platform oiflist-history

clear forwarding trace mfib platform oiflist-history

Syntax Description

clear	Clear
forwarding	Forwarding information
trace	internal trace
mfib	mfib entries
platform	platform information
oiflist-history	Oiflist history

Command Mode

- /exec

clear forwarding trace mfib v4-route-history

clear forwarding trace mfib v4-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	clear mfib entries
v4-route-history	v4 route history

Command Mode

- /exec

clear forwarding trace mfib v6-route-history

clear forwarding trace mfib v6-route-history

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
mfib	mfib entries
v6-route-history	v6 route history

Command Mode

- /exec

clear forwarding trace nve-ir-peer-history

clear forwarding trace nve-ir-peer-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
nve-ir-peer-history	NVE ir-peer history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace nve-l2-vni-history

clear forwarding trace nve-l2-vni-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
nve-l2-vni-history	NVE L2 VNI history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace nve-l3-vni-history

clear forwarding trace nve-l3-vni-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
nve-l3-vni-history	NVE L3 VNI history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace nve-peer-history

clear forwarding trace nve-peer-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
nve-peer-history	NVE peer history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace otv-adj-history

clear forwarding trace otv-adj-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
otv-adj-history	otv adj history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace otv-vlan-history

clear forwarding trace otv-vlan-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
otv-vlan-history	otv vlan prefix history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace srv6-decap-history

clear forwarding trace srv6-decap-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
srv6-decap-history	SRV6 decap adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace srv6-encap-history

clear forwarding trace srv6-encap-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
srv6-encap-history	SRV6 encap adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace srv6-local-sid-history

clear forwarding trace srv6-local-sid-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
srv6-local-sid-history	SRV6 local-sid history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace srv6-peer-history

clear forwarding trace srv6-peer-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
srv6-peer-history	SRV6 peer history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace v4-adj-history

clear forwarding trace v4-adj-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
v4-adj-history	V4 adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace v4-pfx-history

clear forwarding trace v4-pfx-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
v4-pfx-history	V4 prefix history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace v4-rnh-history

clear forwarding trace v4-rnh-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
v4-rnh-history	V4 rnh history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace v6-adj-history

clear forwarding trace v6-adj-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
v6-adj-history	V6 adjacency history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace v6-pfx-history

clear forwarding trace v6-pfx-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
v6-pfx-history	V6 prefix history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace v6-rnh-history

clear forwarding trace v6-rnh-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
v6-rnh-history	V6 rnh history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear forwarding trace vobj-history

clear forwarding trace vobj-history [module <module>]

Syntax Description

clear	Reset functions
forwarding	forwarding
trace	internal trace
vobj-history	vobj history
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

clear frame traffic

clear frame traffic

Syntax Description

clear	Reset functions
frame	Clear layer-2 frame statistics to/from the Route Processor
traffic	Clear layer-2 frame statistics to/from the Route Processor

Command Mode

- /exec

clear fs-daemon log

clear fs-daemon log

Syntax Description

clear	Reset functions
fs-daemon	Clear the fs daemon log
log	Clear the fs daemon log

Command Mode

- /exec

clear fspf counters vsan

clear fspf counters vsan <i0>

Syntax Description

clear	Reset functions
counters	Clear FSPF counters
vsan	Enter VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec

clear fspf counters vsan interface

clear fspf counters vsan <i0> interface <if0>

Syntax Description

clear	Reset functions
counters	Clear FSPF counters
vsan	Enter VSAN
<i>i0</i>	VSAN id
interface	Clear FSPF counters of specific interface
<i>if0</i>	Clear FSPF counters of specific interface

Command Mode

- /exec

clear hardware deduplication statistics

clear hardware deduplication statistics [module <module>]

Syntax Description

clear	Reset functions
hardware	Clear hardware information
deduplication	De-duplication
statistics	Drop statistics
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

clear hardware flow ip

```
clear hardware flow ip [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
ip	Internet Protocol Version 4
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

clear hardware flow ipv6

```
clear hardware flow ipv6 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
ipv6	Internet Protocol Version 6
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

clear hardware flow l2

```
clear hardware flow l2 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } } ] [ instance
<inst> ] [ force-export ] [ module <num> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
l2	Layer 2 Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

clear hardware flow mpls

```
clear hardware flow mpls [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
flow	Netflow Module
mpls	MPLS Protocol
monitor	(Optional) Netflow Flow Monitor
<i>mname</i>	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
<i>prof_id</i>	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
<i>vlan_id</i>	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface Name
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
force-export	(Optional) Force to export data to collector
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

clear hardware ip verify

```
clear hardware [ forwarding ] ip verify { all | address { source { broadcast | multicast } | class-e | destination
{ zero } | identical | reserved } | checksum | protocol | fragment | length { minimum | consistent | maximum {
max-frag | udp | max-tcp } } | tcp { tiny-frag } | version } [ module <module> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IPv4 and IPv6 protocols
verify	IP packet validation checks in hardware
class-e	Class E IDS check
all	All IP packet validation checks
address	IPv4 and IPv6 Source and destination address validation
source	Check source address
broadcast	Source address is 255.255.255.255
multicast	Source address is 224.x.x.x
destination	Check destination address
zero	Destination address is 0.0.0.0
identical	Same IP SA and DA
reserved	Source address is 127.x.x.x
checksum	Verify IPv4 and IPv6 packet checksum
protocol	Verify IP protocol
fragment	Check IPv4 and IPv6 fragment with non-zero offset and DF bit active
length	Validate IPv4 packet header and payload length
minimum	Minimum IPv4 header length
consistent	Actual frame size is equal to or more than IPv4 length plus ethernet header
maximum	Check max fragment offset and payload length
max-frag	Fragment offset field value

udp	Maximum UDP length has to be less than IPv4 payload length
max-tcp	Maximum TCP length has to be less than IPv4 payload length
tcp	Validate TCP packet header
tiny-frag	Check TCP tiny fragment
version	Must be 4 for an ethertype of IPv4 (0x0800)
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

clear hardware profile buffer monitor

clear hardware profile buffer monitor

Syntax Description

clear	Reset functions
hardware	Clear hardware profile buffer monitor data
profile	profile buffer monitor data
buffer	buffer
monitor	buffer monitor

Command Mode

- /exec

clear hardware profile latency monitor

clear hardware profile latency monitor [interface <intf-num>]

Syntax Description

clear	Reset functions
hardware	Clear hardware profile latency monitor data
profile	profile latency monitor data
latency	latency
monitor	latency monitor
interface	(Optional) clear per-interface latency monitor data
<i>intf-num</i>	(Optional) clear per-interface latency monitor data

Command Mode

- /exec

clear hardware profile packet-drop file_instance

clear hardware profile packet-drop file_instance

Syntax Description

clear	Reset functions
hardware	Change hardware usage settings
profile	Profile settings
packet-drop	Packet Drop parameters
file_instance	TCB File instances

Command Mode

- /exec

clear hardware rate-limiter

```
clear hardware rate-limiter { all | layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts>
| fl <fl-opts> | span-egress | urpf-fail } [ module <module> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
rate-limiter	Clear Rate-Limiter statistics
all	Clear all Rate-Limiter statistics
layer-3	Layer-3 control and Routed packets
<i>l3-opts</i>	
multicast	Multicast data packets
<i>mcast-opts</i>	
layer-2	Layer-2 control and Bridged packets
<i>l2-opts</i>	
<i>opts</i>	
fl	Control packets from F1 modules to supervisor
<i>fl-opts</i>	
span-egress	SPAN/ERSPAN egress packets
urpf-fail	URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

clear hardware rate-limiter

```
clear hardware rate-limiter { all | layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts>
| f1 <f1-opts> | span-egress | urpf-fail } [ module <module> ]
```

Syntax Description

clear	Reset functions
hardware	Show hardware information
rate-limiter	Clear Rate-Limiter statistics
all	Clear all Rate-Limiter statistics
layer-3	Layer-3 control and Routed packets
<i>l3-opts</i>	
multicast	Multicast data packets
<i>mcast-opts</i>	
layer-2	Layer-2 control and Bridged packets
<i>l2-opts</i>	
<i>opts</i>	
f1	Control packets from F1 modules to supervisor
<i>f1-opts</i>	
span-egress	SPAN/ERSPAN egress packets
urpf-fail	URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

clear hsrp counters clear hsrp state-history

clear hsrp counters [<value>] | clear hsrp state-history [interface <interface-id>] [group <group-id>]

Syntax Description

clear	Reset functions
hsrp	HSRP commands
counters	Internal counters
<i>value</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
state-history	Clear Groups' state history
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
group	(Optional) Group number
<i>group-id</i>	(Optional) Group Number

Command Mode

- /exec

clear install all failed-standby

clear install all failed-standby

Syntax Description

clear	Reset functions
install	Clear the installer log
all	Clear the install all log
failed-standby	Clear the failed-standby log

Command Mode

- /exec

clear install failure-reason

clear install failure-reason

Syntax Description

clear	Reset functions
install	Clear the installer log
failure-reason	Clear the install failure-reason log

Command Mode

- /exec

clear install log-history all

clear install log-history { all | oldest <i0> }

Syntax Description

clear	Reset functions
install	Install related show commands
log-history	Patch installer historical logs
all	Delete complete history log
oldest	oldest Delete the oldest <n> install log-history points
<i>i0</i>	Number of log-history points to delete

Command Mode

- /exec

clear install status

clear install status

Syntax Description

clear	Reset functions
install	Clear the installer log
status	Clear the installer status log

Command Mode

- /exec

clear ip adjacency statistics

clear ip adjacency statistics

Syntax Description

clear	Reset functions
ip	Clear IP commands
adjacency	Clear Adjacency
statistics	Clear Adjacency Statistics

Command Mode

- /exec

clear ip amt tunnel

```
clear ip amt tunnel [ <address4> <port> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

<i>clear</i>	AMT clear commands
<i>amt</i>	AMT show commands
<i>ip</i>	Display IP information
<i>tunnel</i>	Display tunnel information
<i>vrf</i>	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>address4</i>	(Optional) IP address of tunnel endpoint
<i>port</i>	(Optional) UDP port number of gateway

Command Mode

- /exec

clear ip arp

```
clear ip arp [ <interface> | <ip-address> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ force-delete ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	(Optional) ARP interface
<i>ip-address</i>	(Optional) IP address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Clear ARP entries for all vrfs
force-delete	(Optional) Clear the entries from ARP table without refresh

Command Mode

- /exec

clear ip arp controller-statistics

clear ip arp controller-statistics

Syntax Description

clear	Reset functions
ip	Display IP information
arp	Display ARP table and statistics
controller-statistics	Controller statistics

Command Mode

- /exec

clear ip arp inspection log

clear ip arp inspection log

Syntax Description

clear	Reset functions
ip	Clear ip counters
arp	Clear State of ARP features
inspection	Clear State of ARP Inspection
log	Log Buffer

Command Mode

- /exec

clear ip arp inspection statistics vlan

clear ip arp inspection statistics vlan <vlan-id>

Syntax Description

clear	Reset functions
ip	Clear ip counters
arp	Clear State of ARP features
inspection	Clear State of ARP Inspection
statistics	Statistics
vlan	Vlan range
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

clear ip arp l2 statistics interface

clear ip arp l2 statistics interface { <interface> | all }

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
l2	Clear ARP L2 port level info
statistics	Clear ARP statistics
interface	ARP interface
<i>interface</i>	ARP interface
all	Clear ARP statistics for all interface

Command Mode

- /exec

clear ip arp multihoming-statistics

```
clear ip arp multihoming-statistics [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	(Optional) ARP interface
multihoming-statistics	Display ARP Multihoming stats
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Clear ARP Multihoming statistics for all vrfs

Command Mode

- /exec

clear ip arp statistics

clear ip arp statistics [<interface>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
<i>interface</i>	(Optional) ARP interface
statistics	Clear ARP statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Clear ARP statistics for all vrfs

Command Mode

- /exec

clear ip arp suppression-cache statistics

clear ip arp suppression-cache statistics

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Clear ARP table and statistics
suppression-cache	ARP-suppression cache
statistics	clear suppression statistics

Command Mode

- /exec

clear ip arp tunnel-statistics

clear ip arp tunnel-statistics

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Display ARP table and statistics
tunnel-statistics	Clear ARP statistics for tunneled packets

Command Mode

- /exec

clear ip arp vpc-statistics

clear ip arp vpc-statistics

Syntax Description

clear	Reset functions
ip	Clear IP commands
arp	Display ARP table and statistics
vpc-statistics	Clear ARP vPC statistics

Command Mode

- /exec

clear ip dhcp global statistics

clear ip dhcp global statistics

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
global	Clear State of DHCP global stats
statistics	DHCP snooping statistics

Command Mode

- /exec

clear ip dhcp relay statistics

```
clear ip dhcp relay statistics [ interface <intf> | { interface <intf> serverip <ip-addr-val> [ use-vrf <vrf-name>
] } ]
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
relay	Clear State of DHCP relay stats
statistics	DHCP Relay statistics
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
serverip	(Optional) Helper address
<i>ip-addr-val</i>	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
<i>vrf-name</i>	(Optional) VRF name

Command Mode

- /exec

clear ip dhcp snooping binding

```
clear ip dhcp snooping binding [ { vlan <vlan-id> mac <mac-addr> ip <ip-addr> interface <interface-id> } ]
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
snooping	Clear State of DHCP Snooping
binding	DHCP snooping bindings
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN id
mac	(Optional) MAC address
<i>mac-addr</i>	(Optional) MAC address
ip	(Optional) IP address
<i>ip-addr</i>	(Optional) IP address
interface	(Optional) interface
<i>interface-id</i>	(Optional) interface

Command Mode

- /exec

clear ip dhcp snooping statistics

```
clear ip dhcp snooping statistics [ { vlan <vlan-id> interface <intf> } |
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
dhcp	Clear State of DHCP features
snooping	Clear State of DHCP snooping stats
statistics	DHCP snooping statistics
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN id
interface	(Optional) input interface
<i>intf</i>	(Optional) interface

Command Mode

- /exec

clear ip eigrp accounting

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] accounting [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
accounting	Clear IP-EIGRP accounting statistics

Command Mode

- /exec

clear ip eigrp redistribution

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
<i>eigrp-ptag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear EIGRP redistributed information

Command Mode

- /exec

clear ip eigrp traffic

```
clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] traffic [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
eigrp	EIGRP clear commands
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
traffic	Clear IP-EIGRP traffic statistics

Command Mode

- /exec

clear ip igmp groups

```
clear ip igmp { groups | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP related information
groups	Route information
route	Route information
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip igmp interface statistics

clear ip igmp interface statistics [vrf { <vrf-name> | <vrf-known-name> | all } | <interface>]

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP statistics information
interface	Interface related information
statistics	Packet/internal counter statistics
<i>interface</i>	(Optional) Specific interface only
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip igmp snooping explicit-tracking

```
clear ip igmp snooping explicit-tracking { vlan { <vlan> | all } | bridge-domain { <bdid> | all } }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
explicit-tracking	Clear Explicit Host tracking information
vlan	Clear explicit tracking information for VLAN
<i>vlan</i>	Specify VLAN
bridge-domain	Clear explicit tracking information for BD
<i>bdid</i>	Specify BD
all	Clear for all vlans/BD

Command Mode

- /exec

clear ip igmp snooping groups

```
clear ip igmp snooping groups { <all> | { <group-prefix> | <group> } [ <source> ] } [ interface <if-name> ]
{ vlan { <vlan> | all } | bridge-domain { <bdid> | all } }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
groups	Clear snooped groups
all	Clear all groups
<i>group-prefix</i>	Group prefix to clear
<i>group</i>	Group address to clear
<i>source</i>	(Optional) Source address to clear
interface	(Optional) Specify interface to clear group state
<i>if-name</i>	(Optional) Interface name to clear
vlan	Clear information for VLAN
<i>vlan</i>	Specify the VLAN number
bridge-domain	Clear information for BD
<i>bdid</i>	Specify the BD number
all	Clear for all VLAN/BDs

Command Mode

- /exec

clear ip igmp snooping mac-oifs

```
clear ip igmp snooping mac-oifs { <mac-address> | <all> } { [ interface <if-name> ] { vlan { <vlan> | all } |
bridge-domain { <bdid> | all } } }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
mac-oifs	Clear IGMP snooping macoifs
<i>mac-address</i>	Clear a specific non IP multicast Macs
all	Clear all non IP multicast Macs
interface	(Optional) Specify interface to clear group state
<i>if-name</i>	(Optional) Interface name to clear
vlan	Clear information for VLAN
<i>vlan</i>	Specify the VLAN number
bridge-domain	Clear information for BD
<i>bdid</i>	Specify the BD number
all	Clear for all VLAN/BDs

Command Mode

- /exec

clear ip igmp snooping proxy querier ports vlan

clear ip igmp snooping proxy querier ports { vlan <vlan> | bridge-domain <bdid> } <if-name> [purge]

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
proxy	Clear IGMP snooping proxy
querier	Clear IGMP snooping proxy querier
ports	Clear IGMP snooping proxy querier ports
vlan	Clear for a specific vlan
<i>vlan</i>	Specify the VLAN number
bridge-domain	Clear for a specific BD
<i>bdid</i>	Specify the BD number
<i>if-name</i>	Interface name to clear
purge	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear ip igmp snooping report statistics

clear ip igmp snooping { report-policy | access-group } statistics [vlan <vlan>]

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
report-policy	IGMP Report Policy
access-group	IGMP access-group
statistics	Policy statistics
vlan	(Optional) Clear VLAN IGMP snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

Command Mode

- /exec

clear ip igmp snooping statistics

clear ip igmp snooping statistics { vlan <vlan> | bridge-domain <bdid> | all }

Syntax Description

clear	Reset functions
ip	Clear IP commands
igmp	Clear IGMP Snooping
snooping	Clear IGMP Snooping
statistics	Packet/internal counter statistics
vlan	Clear VLAN statistics
<i>vlan</i>	Specify VLAN
bridge-domain	Clear BD statistics
<i>bdid</i>	Specify BD
all	All VLAN/BDs

Command Mode

- /exec

clear ip interface statistics

clear ip interface statistics [<interface>]

Syntax Description

clear	Reset functions
ip	Clear IP commands
interface	Clear IP related interface information
statistics	Clear IP interface statistics
<i>interface</i>	(Optional) Clear IP statistics for interface

Command Mode

- /exec

clear ip lisp data-cache

```
clear ip lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
lisp	LISP clear commands
data-cache	Clear EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Clear mapping for IP destination EID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ip lisp map-cache

```
{ { clear ip lisp map-cache [ <eid-prefix> ] [ vrf { <vrf-name> | <vrf-known-name> } ] } } | { clear ipv6 lisp map-cache [ <eid-prefix6> ] [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ipv6	Clear IPv6 commands
lisp	LISP clear commands
map-cache	Clear an EID-to-RLOC cache mapping in this ITR
vrf	(Optional) Clear entry for particular vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid-prefix</i>	(Optional) Clear entry associated with IP EID-prefix

Command Mode

- /exec

clear ip lisp statistics

```
clear ip lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
lisp	LISP clear commands
statistics	Clear global LISP statistics
vrf	(Optional) Clear statistics for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ip mbgp dampening

```
{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] dampening
[ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [
vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] ipv4 { unicast | multicast }
dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] all dampening } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | vpnv4 unicast } dampening [ <ip-prefix>
| <ip-addr> [ <ip-mask> ] ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] { ipv6 { unicast | multicast } | vpnv6 unicast } dampening [ <ip6-prefix>
] ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all dampening
} } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
dampening	Clear route flap dampening information
<i>ip-prefix</i>	(Optional) Clear route flap dampening for prefix
<i>ip-addr</i>	(Optional) Clear route flap dampening for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	Clear VPNv4 address-family
vpnv6	Clear VPNv6 address-family
unicast	Clear unicast address-family
multicast	Clear multicast address-family
all	Clear all address-families

Command Mode

clear ip mbgp dampening

- /exec

clear ip mbgp flap-statistics

```
{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] flap-statistics
[ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp
[ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] ipv4 { unicast | multicast }
flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] all flap-statistics } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | vpnv4 unicast } flap-statistics [ <ip-prefix>
| <ip-addr> [ <ip-mask> ] | regexp <regexp-str> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] { ipv6 { unicast | multicast } | vpnv6 unicast } flap-statistics [ <ipv6-prefix>
| regexp <regexp-str> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ] all flap-statistics } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

clear	Reset functions
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ip	Clear IP commands
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
flap-statistics	Clear flap statistics
<i>ip-prefix</i>	(Optional) Clear flap statistics for one prefix
<i>ip-addr</i>	(Optional) Clear flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	Clear IPv4 address-family
ipv6	Clear IPv6 address-family
vpnv4	Clear VPNv4 address-family
vpnv6	Clear VPNv6 address-family
unicast	Clear unicast address-family
multicast	Clear multicast address-family
all	Clear all address-families
regexp	(Optional) Clear flap statistics for routes matching the regular expression

<i>regexp-str</i>	(Optional) Regular expression to match the AS paths
-------------------	---

Command Mode

- /exec

clear ip mbgp peer-template

```
{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { <neighbor-id>
| * | <asn> | <prefix-id> peer-template <peer-template-name> } [ soft [ in | out ] | dampened-paths | flap-statistics
| no-notify ] } } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
{ <neighbor-id> | * | <asn> | <prefix-id> | <neighbor-interface> | peer-template <peer-template-name> } [
soft [ in | out ] | dampened-paths | flap-statistics | no-notify | { ipv4 { unicast | multicast } | { vpnv4 | vpnv6 }
unicast | all } { soft [ in | out ] | dampened-paths | flap-statistics | no-notify } ] } | { clear bgp [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast | mvpn | labeled-unicast
} | ipv6 { unicast | multicast | mvpn | labeled-unicast } | { vpnv4 | vpnv6 } unicast | l2vpn vpls | l2vpn evpn |
link-state | all } { <neighbor-id> | <ipv6-neighbor-id> | * | <asn> | peer-template <peer-template-name> |
<neighbor-interface> | <prefix-id> | <ipv6-prefix-id> } [ soft [ in | out ] | dampened-paths | flap-statistics |
no-notify ] } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
bgp	Clear BGP sessions
mbgp	Clear MBGP sessions
<i>neighbor-id</i>	IP address of the neighbor to clear
<i>prefix-id</i>	Clear all neighbors matching the prefix
<i>neighbor-interface</i>	Clear interface peering neighbor
*	Clear all neighbors (Should be a * character)
<i>asn</i>	Clear all neighbors in an AS
peer-template	Clear all neighbors in a peer-template
<i>peer-template-name</i>	Peer-template name
soft	(Optional) Soft reconfiguration
in	(Optional) Clear soft reconfiguration inbound
out	(Optional) Clear soft reconfiguration outbound
ipv4	(Optional) Clear IPv4 address-family
ipv6	Clear IPv6 address-family

vpn4	(Optional) Clear VPNv4 address-family
vpn6	(Optional) Clear VPNv6 address-family
unicast	(Optional) Clear unicast address-family
multicast	(Optional) Clear multicast address-family
link-state	Clear link-state address-family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family
all	(Optional) Clear all address-families
dampened-paths	(Optional) Clear dampened paths for neighbor
flap-statistics	(Optional) Clear flap statistics for neighbor
no-notify	(Optional) Clear without sending notification

Command Mode

- /exec

clear ip mroute

```
clear ip mroute [ repopulate ] { { <all> [ shared-tree | source-tree ] } | { <group-prefix> [ shared-tree | source-tree ] } | { <group> [ <source> | shared-tree | source-tree ] } | { sr [ ingress | egress ] } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
mroute	Clear multicast routing table
repopulate	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
shared-tree	(Optional) Clear the (*,G) route associated with the group
source-tree	(Optional) Clear all (S,G) routes associated with the group
sr	Clear service-reflect routes
ingress	(Optional) Clear ingress routes
egress	(Optional) Clear egress routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip mroute statistics

```
clear ip mroute statistics { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
mroute	Clear multicast routing table
statistics	Clear statistics of multicast route
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip msdp peer

clear ip msdp peer <peer-address> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
peer	Clear MSDP peer connection
<i>peer-address</i>	IP address of MSDP peer
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ip msdp policy statistics sa-policy in

```
clear ip msdp policy statistics sa-policy <peer-address> { in | out } [ vrf { <vrf-name> | <vrf-known-name>
} ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP global configuration commands
policy	Policy information
statistics	Policy statistics
sa-policy	Configured SA policy for MSDP peer
<i>peer-address</i>	IP address of MSDP peer for SA policy
in	Input policy
out	Output policy
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ip msdp sa

```
clear ip msdp { sa-cache | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
sa-cache	Clear contents of SA cache
route	Clear contents of SA cache
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip msdp statistics

clear ip msdp statistics [<peer-address>] [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
msdp	MSDP clear commands
statistics	Clear statistics for peers
<i>peer-address</i>	(Optional) IP address of MSDP peer
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ip nat-alias address

```
clear ip nat-alias { address <ipaddress> | all }
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
nat-alias	Clear NAT alias
address	alias address
<i>ipaddress</i>	NAT alias ip address
all	Delete all NAT alias address

Command Mode

- /exec

clear ip nat statistics

clear ip nat statistics

Syntax Description

clear	Reset functions
ip	Clear ip counters
nat	IP NAT information
statistics	Translation statistics

Command Mode

- /exec

clear ip nat translation

```
clear ip nat translation { entry-id <xlation_id> | all | [ vrf <vrf-name> ] | { inside <insideGlobalIP>
<insideLocalIP> [ outside <outsideLocalIP> <outsideGlobalIP> ] | outside <outsideLocalIP> <outsideGlobalIP>
| tcp { inside <insideGlobalIP> <insideGlobal-port> <insideLocalIP> <insideLocal-port> outside
<outsideLocalIP> <outsideLocal-port> <outsideGlobalIP> <outsideGlobal-port> } | udp { inside
<insideGlobalIP> <insideGlobal-port> <insideLocalIP> <insideLocal-port> outside <outsideLocalIP>
<outsideLocal-port> <outsideGlobalIP> <outsideGlobal-port> } | icmp { inside <insideGlobalIP>
<insideGlobal-port> <insideLocalIP> <insideLocal-port> outside <outsideLocalIP> <outsideLocal-port>
<outsideGlobalIP> <outsideGlobal-port> } } [ vrf <vrf-name> ] }
```

Syntax Description

clear	Reset functions
ip	Clear ip counters
nat	Clear NAT
translation	Clear dynamic translation
entry-id	Dynamic xlation id
<i>xlation_id</i>	Dynamic xlation id
all	Delete all dynamic translations
inside	Inside addresses
<i>insideGlobalIP</i>	Inside global IP address
<i>insideLocalIP</i>	Inside local IP address
outside	(Optional) Outside addresses
<i>outsideLocalIP</i>	(Optional) Outside local IP address
<i>outsideGlobalIP</i>	(Optional) Outside global IP address
tcp	Transmission Control Protocol
udp	User Datagram Protocol
icmp	Internet Control Message Protocol
<i>insideGlobal-port</i>	Inside global TCP/UDP/ICMP port address
<i>insideLocal-port</i>	Inside local TCP/UDP/ICMP port address
<i>outsideLocal-port</i>	Outside local TCP/UDP port/ICMP address
<i>outsideGlobal-port</i>	Outside global TCP/UDP/ICMP port address
vrf	(Optional) Specify vrf

clear ip nat translation

<i>vrf-name</i>	(Optional) vrf name
-----------------	---------------------

Command Mode

- /exec

clear ip ospf neighbor

```
clear ip ospf [ <tag> ] neighbor { { * | <neighborid> } [ vrf { <vrf-name> | <vrf-known-name> | all } ] } |
{ <interface> } }
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbor	Clear one or more neighbors
*	Clear all neighbors
<i>neighborid</i>	Source IP address, or router ID of the neighbor
<i>interface</i>	Interface to clear all neighbors on

Command Mode

- /exec

clear ip ospf redistribution

```
clear ip ospf [ <tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear OSPF route redistribution

Command Mode

- /exec

clear ip ospf statistics

```
clear ip ospf [ <tag> ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Clear event counters

Command Mode

- /exec

clear ip ospf traffic

```
clear ip ospf [ <tag> ] traffic [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
ospf	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Clear packet counters
<i>interface</i>	(Optional) Interface to clear all traffic on

Command Mode

- /exec

clear ip pim interface statistics

clear ip pim interface statistics [<interface> | vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
interface	Interface related information
statistics	Packet interface counter statistics
<i>interface</i>	(Optional) Interface name to clear
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip pim pfm-sd cache

clear ip pim pfm-sd cache [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
pfm-sd	Pim-Flooding Mechanism
cache	clear Pim-Flooding Mechanism cache
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip pim policy statistics

clear ip pim policy statistics { register-policy | allow-rp-policy | bsr { bsr-policy | rp-candidate-policy } | auto-rp { rp-candidate-policy | mapping-agent-policy } } [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
register-policy	Statistics for Register policy
allow-rp-policy	Statistics for Allow RP policy
bsr	Bootstrap protocol RP-distribution policy
bsr-policy	Statistics for BSR messages
rp-candidate-policy	Statistics for RP candidate messages
auto-rp	Statistics for auto-rp messages
rp-candidate-policy	Statistics for RP candidate messages
mapping-agent-policy	Statistics for mapping agent messages
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip pim policy statistics jp

clear ip pim policy statistics { jp-policy | neighbor-policy } <interface>

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface

Command Mode

- /exec

clear ip pim route

```
clear ip pim route { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	PIM clear commands
route	Route information
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching the Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip pim statistics

clear ip pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
ip	Clear IP commands
pim	Clear PIM information
statistics	Packet global counter statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip rip policy statistics redistribute bgp

```
{ { clear ip rip policy statistics redistribute bgp <as> } | { clear ip rip policy statistics redistribute eigrp <tag> }
| { clear ip rip policy statistics redistribute isis <tag> } | { clear ip rip policy statistics redistribute rip <tag> }
| { clear ip rip policy statistics redistribute ospf <tag> } | { clear ip rip policy statistics redistribute direct }
| { clear ip rip policy statistics redistribute static } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
rip	Routing Information Protocol (RIP)
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>as</i>	Autonomous system number
isis	Intermediate-to-intermediate (ISIS)
ospf	Open Shortest Path First (OSPFv2)
<i>tag</i>	Process tag
static	Static routes
direct	Directly connected routes
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip rip statistics

```
clear { ipv6 | ip } rip statistics [ * | <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
ip	Clear IP commands
rip	Routing Information Protocol (RIP)
statistics	Clear RIP statistics
*	(Optional) RIP statistics for all interfaces
<i>interface</i>	(Optional) RIP interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ip traffic

```
clear ip traffic [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
ip	Clear IP commands
traffic	Clear IP global statistics
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ipv6 adjacency statistics

clear ipv6 adjacency statistics

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
adjacency	Clear Adjacency
statistics	Clear Adjacency Statistics

Command Mode

- /exec

clear ipv6 amt tunnel

clear ipv6 amt tunnel [<address6> <port>] [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

clear	AMT clear commands
amt	AMT show commands
ipv6	Display IP information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>port</i>	(Optional) UDP port number of gateway

Command Mode

- /exec

clear ipv6 dhcp relay prefix-delegation

clear ipv6 dhcp relay prefix-delegation { all | client <addr> |

Syntax Description

clear	Reset functions
ipv6	IPv6
dhcp	Clear State of DHCP features
relay	DHCPv6 relay
prefix-delegation	Delegated prefix bindings
all	Clear all entries
client	Client's IPv6 address
<i>addr</i>	IPv6 address

Command Mode

- /exec

clear ipv6 dhcp relay statistics

```
clear ipv6 dhcp relay statistics [ interface <intf> [ [ server-ip <ip-addr-val> [ use-vrf <vrf-name> ] [ interface
<dest-interface> ] ] ] [ server-ip <ip-addr-val> [ interface <dest-interface> ] [ use-vrf <vrf-name> ] ] ] ]
```

Syntax Description

clear	Reset functions
ipv6	IPv6
dhcp	Clear State of DHCPv6 features
relay	Clear State of DHCPv6 relay stats
statistics	DHCPv6 Relay statistics
interface	(Optional) input interface
<i>intf</i>	(Optional) interface
server-ip	(Optional) Server address
use-vrf	(Optional) Server address VRF membership
<i>vrf-name</i>	(Optional) VRF name
interface	(Optional) Destination interface for the server address
<i>dest-interface</i>	(Optional) Destination interface

Command Mode

- /exec

clear ipv6 icmp

clear ipv6 { icmp | nd } { interface statistics [<interface>] | global statistics }

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	Clear ICMPv6 information
nd	Clear Neighbor Discovery interface information
interface	Clear ICMPv6 related interface information
statistics	Clear ICMPv6 interface statistics
global	Clear ICMPv6 global statistics
<i>interface</i>	(Optional) Interface to clear statistics for

Command Mode

- /exec

clear ipv6 icmp l2 statistics interface

```
clear ipv6 { icmp | nd } l2 statistics interface { <interface> | all }
```

Syntax Description

clear	Reset functions
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
interface	Interface for which l2 stats to be cleared
l2	Clear ND info for layer-2 interface
statistics	Clear ND statistics for layer 2 interface
all	Clear ND stats for all layer 2 interface
<i>interface</i>	interface

Command Mode

- /exec

clear ipv6 icmp nd local-proxy stats

```
clear ipv6 icmp nd local-proxy stats { all | { { <vlan-interface> } [ <interface> ] } }
```

Syntax Description

clear	Reset functions
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
local-proxy	show nd local proxy stats
stats	statistics
all	show stats for all vlan
<i>vlan-interface</i>	vlan interface
<i>interface</i>	(Optional) interface

Command Mode

- /exec

clear ipv6 icmp vpc-statistics

clear ipv6 icmp vpc-statistics

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	Clear ICMPv6 information
vpc-statistics	Clear ICMPv6 ND vPC statistics

Command Mode

- /exec

clear ipv6 interface statistics

clear ipv6 interface statistics [<interface>]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
interface	Clear IPv6 related interface information
statistics	Clear IPv6 interface statistics
<i>interface</i>	(Optional) Interface to clear statistics for

Command Mode

- /exec

clear ipv6 lisp data-cache

```
clear ipv6 lisp data-cache [ <eid6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

<code>clear</code>	Reset functions
<code>ipv6</code>	Clear IPv6 commands
<code>lisp</code>	LISP clear commands
<code>data-cache</code>	Clear EID-to-RLOC data cache mapping in this ITR
<code>eid6</code>	(Optional) Clear mapping for IPv6 destination EID
<code>vrf</code>	(Optional) Display per-VRF information
<code>vrf-name</code>	(Optional) VRF name
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec

clear ipv6 lisp statistics

```
clear ipv6 lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
lisp	LISP clear commands
statistics	Clear global LISP statistics
vrf	(Optional) Clear statistics for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear ipv6 mld groups

```
clear ipv6 [ icmp ] mld { groups | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
icmp	(Optional) Clear ICMPv6 information
mld	Clear Multicast Listener Discovery information
groups	Route information
route	Route information
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 mld interface statistics

clear ipv6 mld interface statistics [vrf { <vrf-name> | <vrf-known-name> | all } | <interface>]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mld	Clear MLD related information
interface	Interface related information
statistics	Packet/internal counter statistics
<i>interface</i>	(Optional) Specific interface only
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 mld snooping explicit-tracking

```
clear ipv6 mld snooping explicit-tracking { vlan { <vlan> | all } | bridge-domain { <bdid> | all } }
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mld	Clear MLD Snooping
snooping	Clear MLD Snooping
explicit-tracking	Clear Explicit Host tracking information
vlan	Clear explicit tracking information for VLAN
<i>vlan</i>	Specify VLAN
bridge-domain	Clear explicit tracking information for BD
<i>bdid</i>	Specify BD
all	Clear for all vlans/BD

Command Mode

- /exec

clear ipv6 mld snooping groups

```
clear ipv6 mld snooping groups { <all> | { <group-prefix> | <group> } [ <source> ] } [ interface <if-name>
] { vlan { <vlan> | all } | bridge-domain { <bdid> | all } }
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mld	Clear MLD related information
snooping	Clear MLD Snooping
groups	Clear snooped groups
all	Clear all groups
interface	(Optional) Specify interface to clear group state
<i>if-name</i>	(Optional) Interface name to clear
vlan	Clear information for VLAN
<i>vlan</i>	Specify the VLAN number
bridge-domain	Clear information for BD
<i>bdid</i>	Specify the BD number
all	Clear for all VLAN/BDs

Command Mode

- /exec

clear ipv6 mld snooping proxy querier ports vlan

clear ipv6 mld snooping proxy querier ports { vlan <vlan> | bridge-domain <bdid> } <if-name> [purge]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mld	Clear MLD Snooping
snooping	Clear MLD Snooping
proxy	Clear MLD snooping proxy
querier	Clear MLD snooping proxy querier
ports	Clear MLD snooping proxy querier ports
vlan	Clear for a specific vlan
<i>vlan</i>	Specify the VLAN number
bridge-domain	Clear for a specific BD
<i>bdid</i>	Specify the BD number
<i>if-name</i>	Interface name to clear
purge	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear ipv6 mld snooping report statistics

clear ipv6 mld snooping { report-policy | access-group } statistics [vlan <vlan>]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mld	Clear MLD Snooping
snooping	Clear MLD Snooping
report-policy	MLD report policy
access-group	MLD access-group
statistics	Policy statistics
vlan	(Optional) Clear VLAN MLD snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

Command Mode

- /exec

clear ipv6 mld snooping statistics

clear ipv6 mld snooping statistics { vlan <vlan> | bridge-domain <bdid> | all }

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mld	Clear MLD Snooping
snooping	Clear MLD Snooping
statistics	Packet/internal counter statistics
vlan	Clear VLAN statistics
<i>vlan</i>	Specify VLAN
bridge-domain	Clear BD statistics
<i>bdid</i>	Specify BD
all	All VLAN/BDs

Command Mode

- /exec

clear ipv6 mroute

```
clear ipv6 mroute [ repopulate ] { { <all> [ shared-tree | source-tree ] } | { <group-prefix> [ shared-tree |
source-tree ] } } | { <group> [ <source> | shared-tree | source-tree ] } } [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mroute	Clear multicast routing table
repopulate	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	Clear all routes
shared-tree	(Optional) Clear the (*,G) route associated with the group
source-tree	(Optional) Clear all (S,G) routes associated with the group
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 mroute statistics

```
clear ipv6 mroute statistics { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
mroute	Clear multicast routing table
statistics	Clear statistics of multicast route
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 neighbor

```
clear ipv6 neighbor [ [ <nbr-addr> [ <intf> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] | vrf { <vrf-name>
| <vrf-known-name> | all } | <interface> ] [ force-delete ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
neighbor	Clear ICMPv6 neighbor cache
<i>intf</i>	(Optional) Clear cache entries for given interface
<i>interface</i>	(Optional) Clear cache entries for given interface
force-delete	(Optional) Clear the cache entries without refresh
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 neighbor binding

clear ipv6 neighbor binding [mac <macaddr> | address { <ipv6-addr> | all } | policy <policy-name> |

Syntax Description

clear	Reset functions
ipv6	IPv6
<i>macaddr</i>	(Optional) 48-bit hardware address
<i>policy-name</i>	(Optional) Snooping Policy name to be cleared

Command Mode

- /exec

clear ipv6 pim interface statistics

clear ipv6 pim interface statistics [<interface> | vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM6 information
interface	Interface related information
statistics	Packet interface counter statistics
<i>interface</i>	(Optional) Interface name to clear
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 pim policy statistics jp

clear ipv6 pim policy statistics { jp-policy | neighbor-policy } <interface>

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	PIM6 global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
<i>interface</i>	Interface

Command Mode

- /exec

clear ipv6 pim route

```
clear ipv6 pim route { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	PIM6 clear commands
route	Route information
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 pim statistics

```
clear ipv6 pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
pim	Clear PIM6 information
statistics	Packet global counter statistics
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 raguard statistics

clear ipv6 raguard statistics

Syntax Description

clear	Reset functions
ipv6	IPv6
raguard	IPV6 raguard
statistics	RA packet drop count

Command Mode

- /exec

clear ipv6 rip policy statistics redistribute bgp

```
{ { clear ipv6 rip policy statistics redistribute bgp <as> } | { clear ipv6 rip policy statistics redistribute eigrp
<tag> } | { clear ipv6 rip policy statistics redistribute isis <tag> } | { clear ipv6 rip policy statistics redistribute
rip <tag> } | { clear ipv6 rip policy statistics redistribute ospfv3 <tag> } | { clear ipv6 rip policy statistics
redistribute direct } | { clear ipv6 rip policy statistics redistribute static } } [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
rip	Routing Information Protocol (RIP)
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
ospfv3	Open Shortest Path First (OSPFv3)
tag	Process tag
static	Static routes
direct	Directly connected routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear ipv6 snooping counters

clear ipv6 snooping counters [{ interface <intf> | vlan <vlanid> }]

Syntax Description

clear	Reset functions
ipv6	IPv6
<i>intf</i>	(Optional) interface
<i>vlanid</i>	(Optional) VLAN ID

Command Mode

- /exec

clear ipv6 snooping events

clear ipv6 snooping events

Syntax Description

clear	Reset functions
ipv6	IPv6

Command Mode

- /exec

clear ipv6 snooping messages

clear ipv6 snooping messages

Syntax Description

clear	Reset functions
ipv6	IPv6

Command Mode

- /exec

clear ipv6 traffic

```
clear ipv6 traffic [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
ipv6	Clear IPv6 commands
traffic	Clear IPv6 traffic statistics
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear isis adjacency

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] adjacency { * | { <interface> | system-id <sid> } + } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Hostname or System ID (in the form of XXXX.XXXX.XXXX)

Command Mode

- /exec

clear isis redistribution

```
clear isis [ <isis-tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribution	Clear IS-IS redistributed information

Command Mode

- /exec

clear isis spf-log

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] spf-log [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
spf-log	Display IS-IS SPF information

Command Mode

- /exec

clear isis statistics

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Clear IS-IS protocol statistics
*	All IS-IS protocol statistics
<i>interface</i>	IS-IS interface

Command Mode

- /exec

clear isis traffic

```
clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
isis	Clear IS-IS information
<i>isis-tag</i>	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Clear IS-IS traffic information
*	All IS-IS traffic information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

clear itd statistics

clear itd statistics <service-name>

Syntax Description

clear	Reset functions
itd	ITD service
statistics	ITD statistics
<i>service-name</i>	ITD service-name

Command Mode

- /exec

clear l2dbg

```
clear l2dbg { macdb | portdb | rvtepdb | dme-events }
```

Syntax Description

clear	Clear
l2dbg	L2 debug databases
macdb	L2 debug MACDB
portdb	L2 debug PORTDB
rvtepdb	L2 debug RVTEPDB
dme-events	L2 debug ObjectstoreDB

Command Mode

- /exec

clear l2route evpn mac evi permanently-frozen-list

clear l2route evpn mac { evi <vpn-id> [mac <mac_addr>] | all } permanently-frozen-list

Syntax Description

clear	Reset functions
l2route	Layer 2 routing information base
evpn	EVPN
mac	Clear MAC Route(s)
evi	Clear MAC route(s) on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
mac	(Optional) Clear specific MAC Route
<i>mac_addr</i>	(Optional) 48-bit MAC Route Address
all	Clear all MAC Routes
permanently-frozen-list	Clear MAC Route(s) from permanently frozen list

Command Mode

- /exec

clear lacp counters

clear lacp counters [interface <if0>]

Syntax Description

clear	Reset functions
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

clear lcnd stats interface

clear lcnd stats interface <interface>

Syntax Description

clear	clear
lcnd	lcnd
stats	statistics
interface	get interface related stats at lcnd level
<i>interface</i>	Interface name to display

Command Mode

- /exec

clear ldap-server statistics

```
clear ldap-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } } ]
```

Syntax Description

clear	Reset functions
ldap-server	Clear LDAP related parameters
statistics	Clear LDAP statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
acct_statistics	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions

<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

clear lim counters

clear lim counters [timeline]

Syntax Description

clear	Clear lim counters
lim	clear lim counters
counters	clear lim counters
timeline	(Optional) Clear all lim counters

Command Mode

- /exec

clear line

clear line <s0>

Syntax Description

clear	Reset functions
line	Kill a session on particular vty
s0	Enter the vty name

Command Mode

- /exec

clear lisp ddt referral-cache

```
clear lisp ddt referral-cache [ instance-id <iid> ] [ <eid-prefix> | <eid-prefix6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
lisp	LISP clear commands
ddt	LISP Delegated Database Tree
referral-cache	Clear the DDT referral cache
vrf	(Optional) Clear entry for particular vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
instance-id	(Optional) Clear entry for specific instance-ID
<i>iid</i>	(Optional) 24-bit instance-ID value
<i>eid-prefix</i>	(Optional) Clear entry associated with IP EID-prefix

Command Mode

- /exec

clear lisp dynamic-eid

```
clear lisp dynamic-eid { <dyn-eid-name> | <dyn-eid> } [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
lisp	LISP clear commands
dynamic-eid	Clear dynamic-EID state
<i>dyn-eid</i>	IPv4 address of dynamic-EID entry
<i>dyn-eid-name</i>	Clear entries discovered for a dynamic-EID range
vrf	(Optional) Clear dynamic-EID entries for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear lisp proxy-itr

```
clear lisp proxy-itr [ <addr> | <addr6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
lisp	LISP clear commands
proxy-itr	Clear discovered PITRs
<i>addr</i>	(Optional) IPv4 locator address of PITR
vrf	(Optional) Clear proxy-itr state for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear lisp site

```
clear lisp site <site-name> [ instance-id <iid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

clear	Reset functions
lisp	LISP clear commands
site	Clear site registration data
<i>site-name</i>	Clear registration data for a single site
instance-id	(Optional) Clear registration for a single instance-id within a site
<i>iid</i>	(Optional) 24-bit instance-ID value
vrf	(Optional) Clear site entries for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

clear lldp counters

clear lldp counters

Syntax Description

clear	Reset functions
lldp	Reset the lldp counters
counters	Reset the lldp traffic counters to zero

Command Mode

- /exec

clear lldp counters interface

clear lldp counters interface <if0>

Syntax Description

clear	Reset functions
lldp	Reset the lldp counters
counters	Reset the lldp traffic counters to zero
interface	Clear lldp traffic counters per interface
<i>if0</i>	Enter interface

Command Mode

- /exec

clear logging dropcount

clear logging dropcount

Syntax Description

clear	Reset functions
logging	Clear logging information
dropcount	Clear logging dropcounter

Command Mode

- /exec

clear logging logfile

clear logging logfile [persistent]

Syntax Description

clear	Reset functions
logging	Clear logging information
logfile	Clear logfile messages
persistent	(Optional) Clear logfile messages from persistent location

Command Mode

- /exec

clear logging nvram

clear logging nvram

Syntax Description

clear	Reset functions
logging	Clear logging information
nvram	Clear nvram logs

Command Mode

- /exec

clear logging onboard

```
clear logging onboard [ { card-boot-history | card-first-power-on | environmental-history | error-stats |
exception-log | interrupt-stats | module <module> [ { environmental-history | error-stats | exception-log |
interrupt-stats | obfl-logs | stack-trace | card-boot-history | card-first-power-on } ] | obfl-logs | stack-trace } ]
```

Syntax Description

clear	Reset functions
logging	Clear logging information
onboard	Clear OBFL information
environmental-history	(Optional) Clear OBFL environmental history
error-stats	(Optional) Clear OBFL error statistics
exception-log	(Optional) Clear OBFL exception log
interrupt-stats	(Optional) Clear OBFL interrupt statistics
card-boot-history	(Optional) Clear Card Boot History
card-first-power-on	(Optional) Clear Card First Power On
module	(Optional) Clear OBFL information for Module
<i>module</i>	(Optional) Enter module number
obfl-logs	(Optional) Clear OBFL (boot-uptime/device-version/obfl-history).
stack-trace	(Optional) Clear OBFL stack trace

Command Mode

- /exec

clear logging onboard

```
clear logging onboard [ { counter-stats | epld-log | internal { <dc3_options> } | module <module> [ {
counter-stats | internal { <dc3_options> } } ] ] ]
```

Syntax Description

clear	Reset functions
logging	Clear logging information
onboard	Clear OBFL information
counter-stats	(Optional) Clear OBFL counter statistics
epld-log	(Optional) Clear EPLD log
internal	(Optional) Clear Logging Onboard Internal
module	(Optional) Clear OBFL information for Module
<i>module</i>	(Optional) Enter module number
counter-stats	(Optional) Clear OBFL counter statistics
<i>dc3_options</i>	(Optional) dc3 options

Command Mode

- /exec

clear logging session

clear logging session

Syntax Description

clear	Reset functions
logging	Clear logging information
session	Clear logging session

Command Mode

- /exec

clear mac address-table dynamic

```
clear mac address-table dynamic [ local ] [ address <mac-addr> | interface <interface-name> ] [ multicast-entries
[ not-notified ] ] [ vlan <vlan-id> | vni <vni-id> | peer-ip <peer-ipv4> ] [ instance <instance> ] [ __readonly__
<info_str> ]
```

Syntax Description

clear	Clear
mac	MAC configuration commands
address-table	MAC Address Table
dynamic	clear dynamic entries from the Layer2 Forwarding Table
local	(Optional) clear MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
<i>vni-id</i>	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
<i>peer-ipv4</i>	(Optional) VXLAN Peer IP Address
instance	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>instance</i>	(Optional) ASIC Instance Number
multicast-entries	(Optional) clear all dynamically learnt multicast entries
not-notified	(Optional) entries that exceed the hardware notification limit
<i>__readonly__</i>	(Optional)
<i>info_str</i>	(Optional) Information

Command Mode

- /exec

clear macsec mka statistics

clear macsec mka statistics [interface <ifname>]

Syntax Description

clear	Reset functions
macsec	Clear MACsec parameters
mka	Clear MKA parameters
statistics	Clear MKA statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

Command Mode

- /exec

clear macsec secy statistics

clear macsec secy statistics [interface <ifname>]

Syntax Description

clear	Reset functions
macsec	Clear MACsec parameters
secy	Clear secy parameters
statistics	Clear secy statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

Command Mode

- /exec

clear mdns-sd controller statistics

clear mdns-sd controller statistics

Syntax Description

clear	Reset functions
mdns-sd	mDNS Gateway
controller	mDNS Controller
statistics	mDNS Controller Statistics

Command Mode

- /exec

clear mdns-sd file-logging

clear mdns-sd file-logging

Syntax Description

clear	Reset functions
mdns-sd	mDNS Gateway
file-logging	File-Logging to /bootflash/mdns.dbg

Command Mode

- /exec

clear mdns-sd statistics global

clear mdns-sd statistics global

Syntax Description

clear	Reset functions
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
global	mDNS global Statistics

Command Mode

- /exec

clear mdns-sd statistics raw-stats

```
clear mdns-sd statistics raw-stats { all | <index> }
```

Syntax Description

clear	Reset functions
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
raw-stats	mDNS rawStats Statistics
all	ALL Raw stats
<i>index</i>	Specify the index of Raw Stats

Command Mode

- /exec

clear monitor session drops

clear monitor session <session_number> drops

Syntax Description

clear	Clear the monitor drop counters
monitor	Show Ethernet SPAN information
session	span session number
<i>session_number</i>	
drops	show the drops

Command Mode

- /exec

clear mpls access-list counters

clear mpls access-list counters [<mpls_name>]

Syntax Description

clear	Reset functions
mpls	mpls keyword
access-list	Clear access list statistical information
counters	Clear access list counters
<i>mpls_name</i>	(Optional) List name

Command Mode

- /exec

clear mpls forwarding statistics

clear mpls forwarding statistics [interface { <interface> | all }]

Syntax Description

clear	Reset functions
mpls	MPLS events
forwarding	Clear MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
<i>interface</i>	(Optional) Interface chosen to clear statistics
all	(Optional) All interfaces

Command Mode

- /exec

clear mpls static trace

clear mpls static trace { error | warning | event }

Syntax Description

clear	Clear MPLS static trace buffer
mpls	MPLS configuration commands
static	MPLS static
trace	MPLS static trace
error	MPLS static error trace
warning	MPLS static warning trace
event	MPLS static event trace

Command Mode

- /exec

clear mpls switching label statistics

clear mpls switching label statistics { all | <label-value> }

Syntax Description

clear	Reset functions
mpls	MPLS clear commands
switching	Clear MPLS label switching database information
label	Clear MPLS label information
statistics	Clear label statistics
all	Clear statistics for all labels
<i>label-value</i>	Label

Command Mode

- /exec

clear mts dedup_stats uuid app_update_id

clear mts dedup_stats uuid <i0> app_update_id <update_id>

Syntax Description

clear	Reset functions
mts	MTS statistics
dedup_stats	dedup statistics
uuid	application uuid
app_update_id	application specific update_id bits 47-0
<i>i0</i>	enter the application uuid
<i>update_id</i>	enter the dedup application update id(48 bits)

Command Mode

- /exec

clear mts message statistics

clear mts message statistics

Syntax Description

clear	Reset functions
mts	MTS statistics
message	mts messages
statistics	mts message statistics

Command Mode

- /exec

clear mvr counters

clear mvr counters

Syntax Description

clear	Reset functions
mvr	Clear MVR info
counters	Clear MVR counters

Command Mode

- /exec

clear mvr counters receiver-ports

clear mvr counters receiver-ports [<if0>]

Syntax Description

clear	Reset functions
mvr	Clear MVR info
counters	Clear MVR counters
receiver-ports	Clear MVR receiver port counters
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

clear mvr counters source-ports

clear mvr counters source-ports [<if0>]

Syntax Description

clear	Reset functions
mvr	Clear MVR info
counters	Clear MVR counters
source-ports	Clear MVR source port counters
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

clear nat itd

```
clear nat itd { all | acl-name <name> | statistics }
```

Syntax Description

clear	Reset functions
nat	IP NAT information
itd	IP NAT ITD
all	Delete all nat itd configuration
acl-name	Access list
<i>name</i>	Access-list-name
statistics	Clear nat itd statistics

Command Mode

- /exec

clear nbm flows statistics

```
clear nbm flows statistics [ source <source-ip> [ group <group-ip> ] | group <group-ip> [ source <source-ip> ] ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ]
```

Syntax Description

clear	Clear
nbm	Non blocking Multicast
flows	NBM flows
statistics	Clear nbm flow statistics
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address value
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address value
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

clear ngoam

```
clear ngoam { probe { statistics { summary | { session { <handle> | all } } } } }
```

Syntax Description

clear	Reset functions
ngoam	ngoam information
probe	clear ngoam probe
statistics	clear ngoam statistics
summary	clear ngoam statistics summary
session	clear ngoam information by session handle
<i>handle</i>	specify session handle
all	clear stats for all probe sessions

Command Mode

- /exec

clear ngoam

```
clear ngoam { traceroute { { session { <handle> | all } } | { statistics { summary | { session { <handle> | all } } } } } [ force ] }
```

Syntax Description

clear	Reset functions
ngoam	ngoam information
traceroute	clear ngoam traceroute
statistics	clear ngoam statistics
summary	clear ngoam statistics summary
session	clear ngoam information by session handle
<i>handle</i>	specify session handle
all	clear stats for all traceroute sessions
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear ngoam

```
clear ngoam { { interface statistics } }
```

Syntax Description

clear	Reset functions
ngoam	ngoam information
interface	probe packet interface
statistics	clear ngoam statistics

Command Mode

- /exec

clear ngoam loop-detection statistics

clear ngoam loop-detection statistics

Syntax Description

clear	clear
ngoam	ngoam information
loop-detection	Clear ngoam loop detection
statistics	statistics

Command Mode

- /exec

clear ngoam pathtrace

```
clear ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database { session { <handle> | all } } } } [ force ]
```

Syntax Description

clear	Reset functions
ngoam	ngoam information
pathtrace	clear ngoam pathtrace
database	clear ngoam pathtrace database
statistics	clear ngoam statistics
summary	clear ngoam statistics summary
session	clear ngoam information by session handle
<i>handle</i>	specify session handle
all	clear stats for all pathtrace sessions
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

clear ntp session

clear ntp session

Syntax Description

clear	Reset functions
ntp	Network Time Protocol
session	Clear the ntp configuration session

Command Mode

- /exec

clear ntp statistics

clear ntp statistics { all-peers | io | local | memory }

Syntax Description

clear	Reset functions
ntp	Network Time Protocol
statistics	Clear NTP Statistics
all-peers	Clear per-peer statistics counter of all peers
io	Clear input-output statistics
local	Clear counters maintained by the local NTP
memory	Clear statistics counters related to memory code

Command Mode

- /exec

clear nve peer-ip

clear nve peer-ip <peer_ipv4>

Syntax Description

clear	Clear
nve	Configure NVE information
peer-ip	peer ip
<i>peer_ipv4</i>	peer ip

Command Mode

- /exec

clear nve peers history-log

clear nve peers history-log

Syntax Description

clear	Reset functions
nve	Configure NVE information
peers	NVE Peer
history-log	nve_clear_peers_history_log_cmd

Command Mode

- /exec

clear nve peers interface counters

clear nve peers { <addr> | <addr-v6> } interface <nve-if> counters

Syntax Description

clear	Reset functions
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface

Command Mode

- /exec

clear nve peers vni interface counters

clear nve peers { { <addr> | <addr-v6> } | all } vni { <vni-id> | all } interface <nve-if> counters

Syntax Description

clear	Reset functions
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
all	Clear counters for all peers/VNIs
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
interface	Interface
<i>nve-if</i>	NVE interface

Command Mode

- /exec

clear nve vni counters

clear nve vni { <vni-id> | all } counters

Syntax Description

clear	Reset functions
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
counters	Counters
all	Clear counters for all vnis

Command Mode

- /exec

clear nvram

clear nvram

Syntax Description

clear	Reset functions
nvram	purge NVRAM

Command Mode

- /exec

clear nxapi-server logs

clear nxapi-server logs

Syntax Description

clear	Reset functions
nxapi-server	Clear NX-API Server
logs	Clear NX-API Server logs

Command Mode

- /exec

clear ospfv3 neighbor

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbor { * | <neighborid> | <interface>
} [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbor	Clear one or more neighbors
*	Clear all neighbors
<i>neighborid</i>	Source IP address, or router ID of the neighbor
<i>interface</i>	Interface to clear all neighbors on

Command Mode

- /exec

clear ospfv3 statistics

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Clear statistics counters

Command Mode

- /exec

clear ospfv3 traffic

```
clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
ospfv3	Clear OSPF tables
<i>tag</i>	(Optional) Process tag
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Clear traffic counters
<i>interface</i>	(Optional) Interface to clear all traffic on

Command Mode

- /exec

clear otv isis adjacency

```
clear otv isis [ <otv-isis-tag> ] adjacency { * | { <interface> | system-id <sid> } } [ vpn { <vrf-name> | all } ]
```

Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
adjacency	Clear IS-IS adjacency state
*	IS-IS adjacencies on all interfaces
<i>interface</i>	IS-IS interface
system-id	Hostname or System ID
<i>sid</i>	Hostname or System ID (in the form of XXXX.XXXX.XXXX)

Command Mode

- /exec

clear otv isis route-map statistics

```
clear otv isis [ <otv-isis-tag> ] [ ip ] route-map statistics [ vpn { <vrf-name> | all } ]
```

Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
ip	(Optional) Clear IS-IS IPv4 information
route-map	Clear IS-IS route-map information
statistics	Clear IS-IS route-map statistics

Command Mode

- /exec

clear otv isis statistics

```
clear otv isis [ <otv-isis-tag> ] statistics { * | <interface> } [ vpn { <vrf-name> | all } ]
```

Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
statistics	Clear IS-IS protocol statistics
*	All IS-IS protocol statistics
<i>interface</i>	IS-IS interface

Command Mode

- /exec

clear otv isis traffic

```
clear otv isis [ <otv-isis-tag> ] traffic { * | <interface> } [ vpn { <vrf-name> | all } ]
```

Syntax Description

clear	Reset functions
otv	Clear OTV commands
isis	Clear IS-IS information
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
traffic	Clear IS-IS traffic information
*	All IS-IS traffic information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

clear peer-info interface vsan

clear peer-info interface <iface> vsan <vsan_id>

Syntax Description

clear	Reset functions
peer-info	clear rmid information
interface	clear peer rmid information for a port in a vsan
<i>iface</i>	
vsan	clear peer rmid information
<i>vsan_id</i>	Enter VSAN number

Command Mode

- /exec

clear pktmgr client

clear pktmgr client [<uuid>]

Syntax Description

clear	Reset functions
pktmgr	Clear Packet Manager information
client	Clear pktmgr clients counters
<i>uuid</i>	(Optional) Clear pktmgr client counters for given uuid

Command Mode

- /exec

clear pktmgr interface

clear pktmgr interface [<interface>]

Syntax Description

clear	Reset functions
pktmgr	Clear Packet Manager information
interface	Clear pktmgr related interface information
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

clear port-security dynamic address vlan

clear port-security dynamic address <mac-address> vlan <vlanid>

Syntax Description

clear	Reset functions
port-security	Clear port-security information
dynamic	dynamic addresses
address	secure address
<i>mac-address</i>	48 bit mac address
vlan	vlan information
<i>vlanid</i>	vlan id. Enter a value between 1 and 4094

Command Mode

- /exec

clear port-security dynamic interface

clear port-security dynamic interface <if_index> [vlan <vlanid>]

Syntax Description

clear	Reset functions
port-security	Clear port-security information
dynamic	dynamic addresses
interface	interface
<i>if_index</i>	ethernet
vlan	(Optional) vlan information
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec

clear processes log all

clear processes log all

Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
all	Delete all the log files

Command Mode

- /exec

clear processes log all vdc-all

clear processes log all vdc-all

Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
all	Delete all the log files
vdc-all	Delete all the log files in all vdc's

Command Mode

- /exec

clear processes log archive

clear processes log archive [file <s0>]

Syntax Description

clear	Reset functions
processes	system manager spawned processes
log	Delete log files
archive	clear all process logs for this vdc from logflash on this module
file	(Optional) delete a log file on logflash
s0	(Optional) Name of file in directory 'log

Command Mode

- /exec

clear processes log pid

clear processes log pid <i0>

Syntax Description

clear	Reset functions
processes	process-related clear commands
log	Delete log files
pid	Delete log file of a specific process
<i>i0</i>	pid of the process

Command Mode

- /exec

clear processes vdc log all

clear processes vdc <e-vdc2> log all

Syntax Description

clear	Reset functions
processes	process-related clear commands
vdc	process-related clear commands in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Delete log files
all	Delete all the log files

Command Mode

- /exec

clear processes vdc log pid

clear processes vdc <e-vdc2> log pid <i1>

Syntax Description

clear	Reset functions
processes	process-related clear commands
vdc	process-related clear commands in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Delete log files
pid	Delete log file of a specific process
<i>i1</i>	pid of the process

Command Mode

- /exec

clear ptp corrections

clear ptp corrections

Syntax Description

clear	Reset functions
ptp	Precision Time Protocol (IEEE 1588) Subsystem
corrections	Clear history of PTP corrections

Command Mode

- /exec

clear ptp counters interface

clear ptp counters { interface <if0> | all }

Syntax Description

clear	Reset functions
ptp	Precision Time Protocol (IEEE 1588) Subsystem
counters	Clear PTP packet counters
interface	Clear for specific interface
all	Clear for all interfaces
<i>if0</i>	

Command Mode

- /exec

clear qos mpls-snmp

clear qos mpls-snmp

Syntax Description

clear	Reset functions
mpls-snmp	MPLS default table-map and snmp indices in pss

Command Mode

- /exec

clear qos policies

clear qos policies

Syntax Description

clear	Reset functions
policies	Clear default policies

Command Mode

- /exec

clear qos statistics

```
clear qos statistics [ { interface [ <iface-list> ] | vlan [ <vlan-list> ] } [ input | output ] [ type <qos-or-q> ] ]
```

Syntax Description

clear	Reset functions
statistics	Clear statistics
interface	(Optional) Clear statistics on a interface
<i>iface-list</i>	(Optional) List of Interfaces
vlan	(Optional) 802.1Q vlan
<i>vlan-list</i>	(Optional) List of vlan ids
input	(Optional) Input Service policy
output	(Optional) Output Service policy
type	(Optional) Policy type
<i>qos-or-q</i>	(Optional)

Command Mode

- /exec

clear queuing burst-detect

```
clear queuing burst-detect [ [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ] [ fex
<chassis-id> ] | nir [ module <module> ] ]
```

Syntax Description

clear	Clear all entries
queuing	Queuing related information
burst-detect	Out of Band micro-burst queue statistics
interface	(Optional) Interface
<i>if_name</i>	(Optional) interface name
queue	(Optional) Queue number for displaying statistics
<i>queue_num</i>	(Optional) Queue number
nir	(Optional) Network Insights Resources database
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
fex	(Optional) FEX id
<i>chassis-id</i>	(Optional) FEX number

Command Mode

- /exec

clear queuing llfc-queue

```
clear queuing llfc-queue [ interface <if_list> ] [ module <module> ]
```

Syntax Description

clear	Clear
queuing	Queuing related information
llfc-queue	LLFC watchdog queuing related stats
interface	(Optional) Interface for clearing queuing stats
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

clear queuing pfc-queue

```
clear queuing pfc-queue [ interface <if_list> ]
```

Syntax Description

clear	Reset functions
queuing	clear queuing related counters
pfc-queue	clear watchdog timers
interface	(Optional) Interface
<i>if_list</i>	(Optional) List of interfaces

Command Mode

- /exec

clear queuing pfc-queue interface

clear queuing pfc-queue interface <if_list>

Syntax Description

clear	Reset functions
queuing	clear queuing related counters
pfc-queue	clear watchdog timers
interface	Interface
<i>if_list</i>	List of interfaces

Command Mode

- /exec

clear queuing tah-pfc-queue

clear queuing tah-pfc-queue [interface <if_list>] [module <module>]

Syntax Description

clear	Clear
queuing	Queuing related information
tah-pfc-queue	PFC watchdog queuing related stats
interface	(Optional) Interface for clearing queuing stats
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

clear radius-server statistics

```
clear radius-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } } ]
```

Syntax Description

clear	Reset functions
radius-server	Clear RADIUS related parameters
statistics	Clear RADIUS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
<i>monitoring_statistics</i>	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
<i>auth_statistics</i>	(Optional) Authentication Statistics
<i>acct_statistics</i>	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions

<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timeout</i>	(Optional) Accounting: Requests timeout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

clear radius session

clear radius session

Syntax Description

clear	Reset functions
radius	clear to be committed RADIUS config and lock in fabric
session	clear to be committed RADIUS config and lock in fabric

Command Mode

- /exec

clear rmon

clear rmon { alarms | events | logs | hcalarms | all-alarms }

Syntax Description

clear	Reset functions
rmon	Clear RMON tables
alarms	Clear all 32 bit alarms
events	Clear rmon log this also clears rmon event table
logs	Clear rmon log
hcalarms	Clear all 64 bit rmon alarms
all-alarms	Clear all 32 bit and 64 bit rmon alarms

Command Mode

- /exec

clear route-map pbr-statistics

```
clear route-map { <route-map-name> | <route-map-cfg-name> } pbr-statistics
```

Syntax Description

clear	Reset functions
route-map	Route-map used for PBR
<i>route-map-name</i>	Route-map name
<i>route-map-cfg-name</i>	Known route-map name
pbr-statistics	Statistics for policy based routing

Command Mode

- /exec

clear routing ip multicast mfdm pending counters

```
clear routing ip multicast mfdm pending counters [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
routing	Clear routing information
ip	Clear IP commands
multicast	Clear MRIB information
mfdm	Clear MFDM information
pending	Clear MFDM pending information
counters	MFDM counters
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear routing ip multicast rpf-source retry-cache

```
clear routing ip multicast rpf-source retry-cache [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
routing	Clear routing information
ip	Clear IP commands
multicast	Clear MRIB information
rpf-source	Clear RPF-Source information
retry-cache	Clear retry-cache information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear routing ipv6 multicast

```
clear routing ipv6 multicast { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
routing	Clear routing information
ipv6	Clear IPv6 commands
multicast	Clear multicast routing table
all	Clear all routes
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear routing ipv6 multicast mfdm pending counters

clear routing ipv6 multicast mfdm pending counters [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
routing	Clear routing information
ipv6	Clear IPv6 commands
multicast	Clear MRIB information
mfdm	Clear MFDM information
pending	Clear MFDM pending information
counters	MFDM counters
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear routing ipv6 multicast rpf-source retry-cache

clear routing ipv6 multicast rpf-source retry-cache [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

clear	Reset functions
routing	Clear routing information
ipv6	Clear IPv6 commands
multicast	Clear MRIB information
rpf-source	Clear RPF-Source information
retry-cache	Clear retry-cache information
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear routing multicast

```
clear routing [ ip | ipv4 ] multicast { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

clear	Reset functions
routing	Clear routing information
ip	(Optional) Clear IP commands
ipv4	(Optional) Clear IP commands
multicast	Clear multicast routing table
all	Clear all routes
<i>group-prefix</i>	Clear all routes within the Group prefix
<i>group</i>	Clear all routes matching Group
<i>source</i>	(Optional) Clear a (S,G) route
vrf	(Optional) Clear information for particular VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

clear rscn session vsan

clear rscn session vsan <i0>

Syntax Description

clear	Reset functions
session	clear RSCN session configuration
vsan	clear the RSCN session for a given VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

clear rscn statistics vsan

clear rscn statistics vsan <i0>

Syntax Description

clear	Reset functions
statistics	clear RSCN statistics
vsan	clear statistics for given vsan
<i>i0</i>	VSAN id range

Command Mode

- /exec

clear scheduler logfile

clear scheduler logfile

Syntax Description

clear	Reset functions
scheduler	Scheduler clear commands
logfile	Clear scheduler log file

Command Mode

- /exec

clear screen

clear screen

Syntax Description

clear	Reset functions
screen	Clear screen

Command Mode

- /exec

clear session state name

clear session state name <s4>

Syntax Description

clear	Reset functions
session	Reset cfg session internals
state	Reset cfg session internal state
name	Reset cfg session internal state for a given name
s4	Enter the name of the session

Command Mode

- /exec

clear sflow statistics

clear sflow statistics

Syntax Description

clear	Reset functions
sflow	sFlow global configuration
statistics	Clear sFlow statistics

Command Mode

- /exec

clear snmp counters

clear snmp counters

Syntax Description

clear	Reset functions
snmp	Clear SNMP Tables
counters	Clear SNMP counters

Command Mode

- /exec

clear snmp hostconfig

clear snmp hostconfig

Syntax Description

clear	Reset functions
snmp	Clear SNMP Tables
hostconfig	Clear SNMP Host List

Command Mode

- /exec

clear sockets statistics

clear sockets statistics { all | tcp | tcp6 | udp | udp6 | raw | raw6 }

Syntax Description

clear	Reset functions
sockets	Clear sockets statistics
statistics	Clear sockets statistics
all	Clear TCP/UDP/RAW v4/v6 statistics
tcp	Clear TCP v4 statistics
tcp6	Clear TCP v6 statistics
udp	Clear UDP v4 statistics
udp6	Clear UDP v6 statistics
raw	Clear RAW v4 statistics
raw6	Clear RAW v6 statistics

Command Mode

- /exec

clear spanning-tree counters

clear spanning-tree counters [interface <interface-id> | vlan <vlan-id> | bridge-domain <bd-id>]

Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
counters	Clear spanning tree statistics
interface	(Optional) Specify an interface as a target for the command
<i>interface-id</i>	(Optional) Specify an interface as a target for the command
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11

Command Mode

- /exec

clear spanning-tree detected-protocols

clear spanning-tree detected-protocols [interface <interface-id>]

Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
detected-protocols	Restart the protocol migration process
interface	(Optional) Specify an interface as a target for the command
<i>interface-id</i>	(Optional) Specify an interface as a target for the command

Command Mode

- /exec

clear spanning-tree sps-hist

clear spanning-tree sps-hist

Syntax Description

clear	Reset functions
spanning-tree	Spanning Tree Subsystem
sps-hist	Set port state stats

Command Mode

- /exec

clear srv6 sid counters

clear srv6 sid <ipv6-addr> counters

Syntax Description

clear	Reset functions
srv6	Segment Routing IPv6
sid	Segment IDentifier
counters	SID counters

Command Mode

- /exec

clear ssh hosts

clear ssh hosts

Syntax Description

clear	Reset functions
ssh	Clear ssh values
hosts	Clear the list of trusted ssh hosts

Command Mode

- /exec

clear statistics module-all

clear statistics module-all

Syntax Description

clear	Clear statistics
statistics	Stats
module-all	Clear stats of all modules

Command Mode

- /exec

clear statistics module

clear statistics module <module>

Syntax Description

clear	Clear statistics
statistics	Stats
module	Clear stats of a single module
<i>module</i>	Enter module number

Command Mode

- /exec

clear system login failures

clear system login failures

Syntax Description

clear	Reset functions
system	System management commands
login	Secure Login
failures	Clear login failures in the current watch period

Command Mode

- /exec

clear system reset-reason

clear system reset-reason

Syntax Description

clear	Reset functions
system	Clear logs in system
reset-reason	Clear reset-reason logs in the system

Command Mode

- /exec

clear system tech-support blocked-commands

clear system tech-support blocked-commands

Syntax Description

clear	Removes the tech-support blocked-commands
system	Show system information
tech-support	Exec command for tech-supports
blocked-commands	List of show commands for exclusion from show tech-support commands

Command Mode

- /exec

clear tacacs-server statistics

```
clear tacacs-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics
<time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions>
<auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match>
<auth_resp_not_processed> <auth_resp_error> } { autho_statistics <autho_failed_transactions>
<autho_succ_transactions> <autho_req_sent> <autho_req_timedout> <autho_resp_no_match>
<autho_resp_not_processed> <autho_resp_error> } { acct_statistics <acct_failed_transactions>
<acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match>
<acct_resp_not_processed> <acct_resp_error> } ]
```

Syntax Description

clear	Reset functions
tacacs-server	Clear TACACS related parameters
statistics	Clear TACACS statistics
<i>host0</i>	DNS name or IP address
<i>__readonly__</i>	(Optional)
<i>server_state</i>	(Optional) Show state of server
<i>clock_time</i>	(Optional) Show clock time in terms of hours, minutes and seconds
<i>monitoring_statistics</i>	(Optional) Monitoring Statistics
<i>time_in_pstate</i>	(Optional) Time in previous state
<i>ndead</i>	(Optional) Number of times dead
<i>tt_in_dstate</i>	(Optional) Total time in dead state
<i>auth_statistics</i>	(Optional) Authentication Statistics
<i>autho_statistics</i>	(Optional) Authorization Statistics
<i>acct_statistics</i>	(Optional) Accounting Statistics
<i>auth_failed_transactions</i>	(Optional) Authentication: Failed transactions
<i>auth_succ_transactions</i>	(Optional) Authentication: Successful transactions
<i>auth_req_sent</i>	(Optional) Authentication: Requests sent
<i>auth_req_timedout</i>	(Optional) Authentication: Requests timedout
<i>auth_resp_no_match</i>	(Optional) Authentication: Responses with no matching requests
<i>auth_resp_not_processed</i>	(Optional) Authentication: Responses not processed
<i>auth_resp_error</i>	(Optional) Authentication: Responses containing errors

<i>autho_failed_transactions</i>	(Optional) Authorization: Failed transactions
<i>autho_succ_transactions</i>	(Optional) Authorization: Successful transactions
<i>autho_req_sent</i>	(Optional) Authorization: Requests sent
<i>autho_req_timedout</i>	(Optional) Authorization: Requests timedout
<i>autho_resp_no_match</i>	(Optional) Authorization: Responses with no matching requests
<i>autho_resp_not_processed</i>	(Optional) Authorization: Responses not processed
<i>autho_resp_error</i>	(Optional) Authorization: Responses containing errors
<i>acct_failed_transactions</i>	(Optional) Accounting: Failed transactions
<i>acct_succ_transactions</i>	(Optional) Accounting: Successful transactions
<i>acct_req_sent</i>	(Optional) Accounting: Requests sent
<i>acct_req_timedout</i>	(Optional) Accounting: Requests timedout
<i>acct_resp_no_match</i>	(Optional) Accounting: Responses with no matching requests
<i>acct_resp_not_processed</i>	(Optional) Accounting: Responses not processed
<i>acct_resp_error</i>	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

clear tech-support lock

clear tech-support lock

Syntax Description

clear	Reset functions
tech-support	Gather information for troubleshooting
lock	Clear the lock which prohibits multiple show techs to run in parallel

Command Mode

- /exec

clear tech-support lock

clear tech-support lock

Syntax Description

clear	Reset functions
tech-support	Gather information for troubleshooting
lock	Clear the lock which prohibits multiple show techs to run in parallel

Command Mode

- /exec

clear tunnel-encryption statistics

clear tunnel-encryption statistics [peer-ip <peer_ipaddress_v4>]

Syntax Description

clear	Reset functions
tunnel-encryption	Show Tunnel-Encryption Manager information
statistics	Show Tunnel-Encryption statistics
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D

Command Mode

- /exec

clear upgrade history

clear upgrade history

Syntax Description

clear	Reset functions
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware

Command Mode

- /exec

clear user

clear user <*s0*>

Syntax Description

clear	Reset functions
user	Logout a particular user
<i>s0</i>	Enter the username

Command Mode

- /exec

clear veobc counters

clear veobc counters

Syntax Description

clear	Reset function
veobc	Reset the veobc counters
counters	Reset the veobc statistic counters to zero

Command Mode

- /exec

clear vlan access-list counters

clear vlan access-list counters [<vacl-name>]

Syntax Description

clear	Reset functions
vlan	Vlan commands
access-list	Clear access list statistical information
counters	Clear access list counters
<i>vacl-name</i>	(Optional) List name

Command Mode

- /exec

clear vlan counters

```
clear vlan [ id <vlan-id> ] counters
```

Syntax Description

clear	Reset functions
vlan	Vlan commands
id	(Optional) clear VLAN counters by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
counters	display counters

Command Mode

- /exec

clear vmtracker counters

clear vmtracker counters

Syntax Description

clear	Clear
vmtracker	Clear vmtracker info
counters	Clear vmtracker counter info

Command Mode

- /exec

clear vpc statistics all

clear vpc statistics all

Syntax Description

clear	Reset functions
vpc	Virtual Port Channel configuration
statistics	Statistics
all	All vPC statistics

Command Mode

- /exec

clear vpc statistics peer-keepalive

clear vpc statistics peer-keepalive

Syntax Description

clear	Reset functions
vpc	Virtual Port Channel configuration
statistics	Statistics
peer-keepalive	peer keepalive module related statistics

Command Mode

- /exec

clear vpc statistics vpc

```
clear vpc statistics { vpc <vpc_num> | peer-link }
```

Syntax Description

clear	Reset functions
vpc	Statistics for a specific vPC
statistics	Statistics
<i>vpc_num</i>	Virtual Port Channel number
peer-link	stats for peer-link

Command Mode

- /exec

clear vpc transport statistics

clear vpc transport statistics [__readonly__ <last-clear-time>]

Syntax Description

clear	Reset functions
vpc	Virtual Port Channel configuration
transport	cfs transport
statistics	Statistics
__readonly__	(Optional) Read Only
<i>last-clear-time</i>	(Optional) time difference from last clear time

Command Mode

- /exec/

clear vrrp statistics

```
clear vrrp statistics [ interface <intf_num> ] [ vr <vr_id> ]
```

Syntax Description

clear	Reset functions
vrrp	Clear virtual router
statistics	Clear global virtual router statistics
interface	(Optional) Select interface
<i>intf_num</i>	(Optional)
vr	(Optional) [1-255] clear virtual router statistics
<i>vr_id</i>	(Optional)

Command Mode

- /exec

clear vrrpv3 statistics

```
clear vrrpv3 statistics [ <interface_num> [ <group_num> ] ] [ <opt_v4_or_v6> ]
```

Syntax Description

clear	Reset functions
vrrpv3	VRRPv3 Clear commands
statistics	VRRPV3 statistics
<i>interface_num</i>	(Optional) Interface
<i>group_num</i>	(Optional) Group number
<i>opt_v4_or_v6</i>	(Optional) Enter ipv4 or ipv6

Command Mode

- /exec

clear vtp counters

clear vtp counters

Syntax Description

clear	Reset functions
vtp	Clear VTP items
counters	Clear VTP counters

Command Mode

- /exec

clear zone database vsan1

clear zone database vsan1 <i1>

Syntax Description

clear	Reset functions
database	Clears zone server database
vsan1	Clears zone server database on a VSAN
<i>i1</i>	VSAN id range

Command Mode

- /exec

clear zone lock vsan

clear zone lock vsan <i0>

Syntax Description

clear	Reset functions
lock	Clears zone server database lock
vsan	Clears zone server database lock on a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec

clear zone smart-zoning

```
clear zone smart-zoning { { vsan1 <vsan_id> } | { fcalias name <fcalias_name> vsan2 <vsan_id> | zone name1
<zone_name> vsan2 <vsan_id> | zoneset name2 <zs_name> vsan2 <vsan_id> } }
```

Syntax Description

clear	Reset functions
smart-zoning	Clears smart-zoning configurations
vsan1	Clear commands for a vsan
fcalias	Clear commands for a fcalias
name	Clear commands for a given fcalias
<i>fcalias_name</i>	Enter the fcalias name
zone	Clear commands for a zone
name1	Clear commands for a given zone
<i>zone_name</i>	Enter the zone name
zoneset	Clear commands for a zoneset
name2	Clear commands for a given zoneset
<i>zs_name</i>	Enter the zoneset name
vsan2	Enter the vsan
<i>vsan_id</i>	Enter the vsan

Command Mode

- /exec

clear zone statistics vsan

clear zone statistics vsan <i0>

Syntax Description

clear	Reset functions
statistics	Clears zone server statistics
vsan	Clears zone server statistics on a VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

cli alias check strict

```
{ cli alias check { strict | loose } | no cli alias check }
```

Syntax Description

no	Negate a command or set its defaults
cli	Configure CLI commands
alias	Define an alias
check	Validate alias name against existing keyword
strict	Check for exact and partial match keyword
loose	Check for exact match only

Command Mode

- /exec/configure

cli alias name

{ cli alias name <s0> <line> | no cli alias name <s0> [<line>] }

Syntax Description

no	Negate a command or set its defaults
cli	Configure CLI commands
alias	Define an alias
name	Specify the alias
<i>s0</i>	Alias command
<i>line</i>	Alias definition

Command Mode

- /exec/configure

cli var name

[no] cli var name <s0>

Syntax Description

no	Negate a command or set its defaults
cli	CLI commands
var	Unset a variable
name	Specify a variable name
s0	Variable name

Command Mode

- /exec

cli var name

{ cli var name <s0> <line> | no cli var name <s0> [<line>] }

Syntax Description

no	Negate a command or set its defaults
cli	Configure CLI commands
var	Define a variable
name	Specify a variable name
<i>s0</i>	Variable name
<i>line</i>	Variable value

Command Mode

- /exec/configure

cli var name

cli var name <s0> <line>

Syntax Description

cli	CLI commands
var	Define a variable
name	Specify a variable name
<i>s0</i>	Variable name
<i>line</i>	Variable value

Command Mode

- /exec

client-to-client reflection

[no] client-to-client reflection

Syntax Description

no	(Optional) Negate a command or set its defaults
client-to-client	Configure client-to-client route reflection
reflection	reflection of routes permitted

Command Mode

- /exec/configure/router-bgp/router-bgp-af

client vrf management default

```
{ { [ no ] client <hostname> { { vrf { management | default | <vrf_name> } [ server-key { 0 <s0> | 7 <s1> | <s2> } ] } | { server-key { 0 <s0> | 7 <s1> | <s2> } [ vrf { management | default | <vrf_name> } ] } } } | { no client <hostname> } | { no client <hostname> vrf } | { no client <hostname> server-key } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
client	Specify a RADIUS client
<i>hostname</i>	IPv4/IPv6 address or DNS name of RADIUS client
vrf	vrf to be used to contact RADIUS client
management	management vrf
default	default vrf
<i>vrf_name</i>	name of the vrf
server-key	(Optional) Encryption key shared with the radius client
0	(Optional) RADIUS shared secret(clear text)
<i>s0</i>	(Optional) RADIUS shared secret(clear text)
7	(Optional) RADIUS shared secret(encrypted)
<i>s1</i>	(Optional) RADIUS shared secret(encrypted)
<i>s2</i>	(Optional) RADIUS shared secret(clear text)(Max Size 63)

Command Mode

- /exec/configure/locsvr-da-radius

clock-interface sync

clock-interface sync <clk-interface>

Syntax Description

clock-interface	Clock-interface
sync	For Synchronization interfaces only
<i>clk-interface</i>	Enter clock interface: <slot-num>/<port-num>

Command Mode

- /exec/configure /exec/configure

clock-tolerance ntp oneway absolute

```
{ { no | default } clock-tolerance | clock-tolerance ntp oneway { absolute <abs-value> | percent <percentage> } }
```

Syntax Description

no	
<i>clock-tolerance</i>	ntp
default	Set a command to its defaults
clock-tolerance	Set acceptable clock synchronization error
ntp	Acceptable clock synchronization error due to NTP
oneway	Acceptable clock synchronization error in oneway measurement
absolute	Acceptable error in microseconds
percent	Acceptable error as percent of value measured
<i>abs-value</i>	Number in microseconds
<i>percentage</i>	Percentage of one-way delay

Command Mode

- /exec/configure/ip-sla/jitter

clock format 12

[no] clock format { 12-hours | 24-hours }

Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
format	Display format of clock
12-hours	12 hours display
24-hours	24 hours display

Command Mode

- /exec/configure

clock format show-timezone debug

[no] clock format show-timezone debug

Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
format	Display format of clock
show-timezone	Display the configured timezone
debug	Display the configured timezone in debugs

Command Mode

- /exec/configure

clock format show-timezone syslog

[no] clock format show-timezone syslog

Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
format	Display format of clock
show-timezone	Display the configured timezone
syslog	Display the configured timezone in syslogs

Command Mode

- /exec/configure

clock protocol

[no] clock protocol { ntp | ptp | none | gnss } [vdc <vdc-id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
clock	Clock
protocol	Input source
ntp	Network Time Protocol (NTP)
ptp	Precision Time Protocol (PTP)
none	None (clock can be set manually)
gnss	Global Navigation Satellite System (GNSS)
vdc	(Optional) vdc
<i>vdc-id</i>	(Optional) vdc-id

Command Mode

- /exec/configure

clock set

clock set <s0> <i0> { April <i1> | August <i2> | December <i3> | February <i4> | January <i5> | July <i6> | June <i7> | March <i8> | May <i9> | November <i10> | October <i11> | September <i12> }

Syntax Description

clock	Clock
set	HH:MM:SS Current Time
s0	HH:MM:SS Current Time
i0	Day of the month
April	Month of the year
i1	Enter the year (no abbreviation)
August	Month of the year
i2	Enter the year (no abbreviation)
December	Month of the year
i3	Enter the year (no abbreviation)
February	Month of the year
i4	Enter the year (no abbreviation)
January	Month of the year
i5	enter the year (no abbreviation)
July	Month of the year
i6	Enter the year (no abbreviation)
June	Month of the year
i7	Enter the year (no abbreviation)
March	Month of the year
i8	Enter the year (no abbreviation)
May	Month of the year
i9	Enter the year (no abbreviation)
November	Month of the year
i10	Enter the year (no abbreviation)

October	Month of the year
<i>i11</i>	Enter the year (no abbreviation)
September	Month of the year
<i>i12</i>	Enter the year (no abbreviation)

Command Mode

- /exec

clock summer

```
{ clock { summer-time <s0> [ <i0> <s1> <s2> <s3> <i1> <s4> <s5> <s6> [ <i2> ] ] | timezone <s7> <i3>
<i4> } | no clock { summer-time [ <s0> <i0> <s1> <s2> <s3> <i1> <s4> <s5> <s6> <i2> ] | timezone [ <s7>
<i3> <i4> ] } }
```

Syntax Description

no	Negate a command or set its defaults
clock	Clock
summer-time	Configure summer (daylight savings) time
<i>s0</i>	Name of time zone in summer, such as PDT, CDT, EDT, etc..
<i>i0</i>	(Optional) Week number to start (first week=1, last week=5)
<i>s1</i>	(Optional) Weekday to start
<i>s2</i>	(Optional) Month to start
<i>s3</i>	(Optional) HH:MM Time to start
<i>i1</i>	(Optional) Week number to end (first week=1, last week=5)
<i>s4</i>	(Optional) Weekday to end
<i>s5</i>	(Optional) Month to end
<i>s6</i>	(Optional) HH:MM Time to end
<i>i2</i>	(Optional) Offset to add in minutes
timezone	Configure time zone
<i>s7</i>	Name of time zone, such as PST, MST, CST, EST, etc..
<i>i3</i>	Hours offset from UTC
<i>i4</i>	Minutes offset from UTC

Command Mode

- /exec/configure

close-connection fin

{ { no | default } close-connection fin | close-connection fin }

Syntax Description

no	
default	Set a command to its defaults
close-connection	Close the connection with FIN instead of RST flag
fin	FIN flag

Command Mode

- /exec/configure/ip-sla/tcp

cluster-id

[no] cluster-id { <ip-cluster-id> | <int-cluster-id> }

Syntax Description

no	(Optional) Negate a command or set its defaults
cluster-id	Configure Route Reflector Cluster-ID
<i>ip-cluster-id</i>	Cluster-id as an IP address
<i>int-cluster-id</i>	Cluster-id as a 32 bit quantity

Command Mode

- /exec/configure/router-bgp/vrf-cmds

cluster

[no] cluster <id> [description <desc>]

Syntax Description

no	(Optional) Negate a command or set its defaults
cluster	Cluster definition for node
<i>id</i>	Cluster ID
description	(Optional) Cluster description
<i>desc</i>	(Optional) Cluster description string

Command Mode

- /exec/configure/itd-dg-node /exec/configure/itd-session-dg-node

collect

[no] collect { ethernet counters }

Syntax Description

collect	Stats type to be configured
ethernet	Ethernet counter
counters	Ethernet counters

Command Mode

- /exec/configure/config-ssx-record

collect

[no] collect { egress queue depth | egress queue drops | egress queue microburst | egress queue peak }

Syntax Description

collect	Stats type to be configured
egress	Egress counter
queue	Queue statistics
depth	Depth
drops	Drops
microburst	Microburst records
peak	Buffer peak counters

Command Mode

- /exec/configure/config-ssx-record

collect

[no] collect { egress buffer depth }

Syntax Description

collect	Stats type to be configured
egress	Egress counter
buffer	Buffer statistics
depth	Depth

Command Mode

- /exec/configure/config-ssx-record

collect

[no] collect { egress pool-group depth }

Syntax Description

collect	Stats type to be configured
egress	Egress counter
pool-group	Pool-group statistics
depth	Depth

Command Mode

- /exec/configure/config-ssx-record

collect

[no] collect { ingress queue depth | ingress queue drops }

Syntax Description

collect	Stats type to be configured
ingress	Ingress counter
queue	Queue statistics
depth	Depth
drops	Drops

Command Mode

- /exec/configure/config-ssx-record

collect counter bytes

[no] collect counter { bytes | packets } [long]

Syntax Description

collect	Specify a non-key field
counter	Counters to collect
bytes	Total number of bytes
packets	Total number of packets
long	(Optional) Long counter (64 bits)

Command Mode

- /exec/configure/analytics/record

collect counter bytes

[no] collect counter { bytes | packets } [long]

Syntax Description

collect	Specify a non-key field
counter	Counters to collect
bytes	Total number of bytes
packets	Total number of packets
long	(Optional) Long counter (64 bits)

Command Mode

- /exec/configure/nfm-record

collect counter bytes

[no] collect counter { bytes | packets } [long]

Syntax Description

collect	Specify a non-key field
counter	Counters to collect
bytes	Total number of bytes
packets	Total number of packets
long	(Optional) Long counter (64 bits)

Command Mode

- /exec/configure/nfm-record

collect interval

[no] collect interval <interval>

Syntax Description

collect	Specify the collect interval
interval	Specify the collect interval
<i>interval</i>	Collect interval in milli seconds

Command Mode

- /exec/configure/nfm-profile

collect interval

[no] collect interval <interval>

Syntax Description

collect	Specify the collect interval
interval	Specify the collect interval
<i>interval</i>	Collect interval in milli seconds

Command Mode

- /exec/configure/analytics/profile

collect ip version

[no] collect ip version

Syntax Description

collect	Specify a non-key field
ip	IP attributes
version	IPv4 or IPv6

Command Mode

- /exec/configure/nfm-record

collect timestamp sys-uptime first

[no] collect timestamp sys-uptime { first | last }

Syntax Description

collect	Specify a non-key field
timestamp	Timestamp fields
sys-uptime	System uptime
first	Time the first packet was seen
last	Time the most recent packet was seen

Command Mode

- /exec/configure/nfm-record

collect timestamp sys-uptime first

[no] collect timestamp sys-uptime { first | last }

Syntax Description

collect	Specify a non-key field
timestamp	Timestamp fields
sys-uptime	System uptime
first	Time the first packet was seen
last	Time the most recent packet was seen

Command Mode

- /exec/configure/analytics/record

collect timestamp sys-uptime first

[no] collect timestamp sys-uptime { first | last }

Syntax Description

collect	Specify a non-key field
timestamp	Timestamp fields
sys-uptime	System uptime
first	Time the first packet was seen
last	Time the most recent packet was seen

Command Mode

- /exec/configure/nfm-record

collect transport tcp flags

[no] collect transport tcp flags

Syntax Description

collect	Specify a non-key field
transport	Transport layer fields
tcp	TCP layer fields
flags	TCP flags

Command Mode

- /exec/configure/nfm-record

collect transport tcp flags

[no] collect transport tcp flags

Syntax Description

collect	Specify a non-key field
transport	Transport layer fields
tcp	TCP layer fields
flags	TCP flags

Command Mode

- /exec/configure/nfm-record

collect transport tcp flags

[no] collect transport tcp flags

Syntax Description

collect	Specify a non-key field
transport	Transport layer fields
tcp	TCP layer fields
flags	TCP flags

Command Mode

- /exec/configure/analytics/record

collector

[no] collector <collectorname>

Syntax Description

collector	Add a collector
<i>collectorname</i>	Name of collector

Command Mode

- /exec/configure/config-buffer-latency-monitor

collector

[no] collector <collectorname>

Syntax Description

collector	Add a collector
<i>collectorname</i>	Name of collector

Command Mode

- /exec/configure/config-int-clone-md-sink-monitor

collector

[no] collector <collectorname>

Syntax Description

collector	Add a collector
<i>collectorname</i>	Name of collector

Command Mode

- /exec/configure/config-buffer-drop-monitor

color

{ no color <color_name> } | { color <color_name> }

Syntax Description

no	Negate a command or set its defaults
color	Specify the affinity color for the interface
<i>color_name</i>	Specify the affinity color name

Command Mode

- /exec/configure/sr/te/if/aff

color

[no] color <color-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Configure Affinity Colors for constraints
<i>color-name</i>	Configure Affinity Colors for constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff/inclall

color

[no] color <color-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Configure Affinity Colors for constraints
<i>color-name</i>	Configure Affinity Colors for constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff/inclany

color

[no] color <color-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Configure Affinity Colors for constraints
<i>color-name</i>	Configure Affinity Colors for constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff/exclany

color

[no] color <color-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Configure Affinity Colors for constraints
<i>color-name</i>	Configure Affinity Colors for constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff/inclall

color

[no] color <color-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Configure Affinity Colors for constraints
<i>color-name</i>	Configure Affinity Colors for constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff/inclany

color

[no] color <color-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Configure Affinity Colors for constraints
<i>color-name</i>	Configure Affinity Colors for constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff/exclany

color

{ no color <color_name> } | { color <color_name> bit-position <position> }

Syntax Description

no	Negate a command or set its defaults
color	Color
<i>color_name</i>	Color
bit-position	Bit Position
<i>position</i>	Bit Position<0-31>

Command Mode

- /exec/configure/sr/te/affmap

color endpoint

[no] color <color> endpoint { <px> | <ipv6-addr> }

Syntax Description

no	(Optional) Negate a command or set its defaults
color	Policy Color
<i>color</i>	Policy Color
endpoint	Policy Endpoint
<i>px</i>	IPv4 endpoint address

Command Mode

- /exec/configure/sr/te/pol

commit

commit [confirmed <commit-timer>] [batch-mode] [skip-verify]

Syntax Description

commit	Commit the current configuration session
confirmed	(Optional) Rollback this commit unless there is a confirming commit
<i>commit-timer</i>	(Optional) Seconds until rollback unless there is a confirming commit
batch-mode	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
skip-verify	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

commit

commit

Syntax Description

commit	commit epbr session
--------	---------------------

Command Mode

- /exec/configure/epbr-sess

commit

commit

Syntax Description

commit	Commit the current configuration session
--------	--

Command Mode

- /exec/configure

commit

commit

Syntax Description

commit	commit itd session
--------	--------------------

Command Mode

- /exec/configure/itd-session-device-group

commit verbose

commit verbose

Syntax Description

commit	Commit the current configuration session
verbose	Commit the current configuration session with more details

Command Mode

- /exec/configure

conf-offset

[no] conf-offset <offset>

Syntax Description

conf-offset	Configure Confidentiality offset
<i>offset</i>	Confidentiality offset options

Command Mode

- /exec/configure/masec-policy

confederation identifier

[no] confederation identifier <confed-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
confederation	AS confederation parameters
identifier	Set routing domain confederation AS
<i>confed-id</i>	AS number

Command Mode

- /exec/configure/router-bgp/vrf-cmds

confederation peers

[no] confederation peers <confed-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
confederation	AS confederation parameters
peers	Peer ASs in BGP confederation
<i>confed-id</i>	AS number

Command Mode

- /exec/configure/router-bgp/vrf-cmds

configure

configure [terminal]

Syntax Description

configure	Enter configuration mode
terminal	(Optional) Configure the system from terminal input

Command Mode

- /exec

configure dual-stage

configure dual-stage

Syntax Description

configure	Enter configuration mode
dual-stage	2 stage mode

Command Mode

- /exec

configure maintenance profile normal

[no] configure maintenance profile { normal-mode | maintenance-mode }

Syntax Description

no	(Optional) Negate a command or set its defaults
configure	Enter configuration mode
maintenance	maintenance profile mode
profile	maintenance profile
normal-mode	Normal mode profile
maintenance-mode	Maintenance mode profile

Command Mode

- /exec

configure profile

[no] configure profile <all_conf_profile_name> [type admin]

Syntax Description

no	(Optional) Negate a command or set its defaults
configure	Enter configuration mode
profile	Configure profile
<i>all_conf_profile_name</i>	Enter the name of the configure profile
type	(Optional) config profile type
admin	(Optional) config profile admin type

Command Mode

- /exec

configure replace

```
configure replace { <uri_local> | <uri_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } [ [ [
verbose ] [ debug | stop-at-first-failure | best-effort ] [ commit-timeout <time> ] [ non-interactive ] [
verify-and-commit ] ] + [ [ show-patch | verify-only ] | [ [ verbose ] [ on-failure reload [ save-startup-cfg ] ] [
commit-timeout <time> ] [ non-interactive ] [ verify-and-commit ] ] + ]
```

Syntax Description

configure	Configure the box
replace	Perform a replace of the running-config
<i>uri_local</i>	Configuration file to use. The user-config is a file that is expected to be in the same syntax/format as running-config. Recommended work flow is to take the running-config and edit it to create the user-config. When the user-config is edited, ensure it is in the same syntax/format as it appears in the running config. Refer to the documentation for details.
<i>uri_remote</i>	Configuration file to use. The user-config is a file that is expected to be in the same syntax/format as running-config. Recommended work flow is to take the running-config and edit it to create the user-config. When the user-config is edited, ensure it is in the same syntax/format as it appears in the running config. Refer to the documentation for details.
source-interface	(Optional) Select source interface
<i>intf</i>	(Optional)
vrf	(Optional) Display per-VRF information
verbose	(Optional) Show the logs of operation
show-patch	(Optional) Show the patch to be applied
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
stop-at-first-failure	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
commit-timeout	(Optional) specify config replace commit timeout value
<i>time</i>	(Optional) Timeout in seconds
non-interactive	(Optional) No user prompt in maintenance mode
verify-only	(Optional) performing semantic check on patch
verify-and-commit	(Optional) Performing semantic check on patch and execute it
best-effort	(Optional) apply patch in best-effort mode. skip intermediate errors
<i>vrf-known-name</i>	(Optional) Known VRF name
on-failure	(Optional) On rollback failure

reload	(Optional) On rollback failure, reload the switch
save-startup-cfg	(Optional) Do copy r s when configure replace starts

Command Mode

- /exec

configure replace abort

configure replace abort

Syntax Description

configure	Configure the box
replace	Perform a replace of the running-config
abort	Aborting config replace operation

Command Mode

- /exec

configure replace commit

configure replace commit

Syntax Description

configure	Configure the box
replace	Perform a replace of the running-config
commit	Commit config replace operation

Command Mode

- /exec

configure session

configure session <s0>

Syntax Description

configure	Enter configuration mode
session	Configure the system in a session
s0	Enter the name of the session

Command Mode

- /exec

configure sync

configure sync

Syntax Description

configure	Enter configuration mode
sync	Configure the system in config-sync mode

Command Mode

- /exec

congestion-control dctp ecn-threshold bytes

[no] congestion-control dctp ecn-threshold <threshold> { bytes }

Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
dctp	Data Center TCP
ecn-threshold	Explicit Congestion Notification - threshold
<i>threshold</i>	Threshold in bytes
bytes	Bytes

Command Mode

- /exec/configure/policy-map/type/uf/class

congestion-control ecn

[no] congestion-control ecn

Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
ecn	Enable ECN protocol

Command Mode

- /exec/configure/policy-map/type/uf/class

congestion-control random-detect

```
[no] congestion-control random-detect { [ threshold { burst-optimized | mesh-optimized } ] | {
minimum-threshold <min-thresh> [ packets | bytes | kbytes | mbytes ] maximum-threshold <max-thresh> [
packets1 | bytes1 | kbytes1 | mbytes1 ] drop-probability <drop-prob> } } { [ ecn ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
random-detect	Enable WRED protocol
threshold	(Optional) Threshold
minimum-threshold	Minimum Threshold
maximum-threshold	Maximum Threshold
burst-optimized	(Optional) Threshold optimized for bursty traffic
mesh-optimized	(Optional) Threshold optimized for mesh traffic
drop-probability	Drop Probability at Maximum Threshold
<i>drop-prob</i>	Drop Probability Value
packets	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
bytes	(Optional) Bytes
kbytes	(Optional) Kilo Bytes
mbytes	(Optional) Mega Bytes
packets1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
ecn	(Optional) Explicit Congestion Notification

Command Mode

- /exec/configure/policy-map/type/uf/class

congestion-control random-detect forward-nonecn

[no] congestion-control random-detect forward-nonecn

Syntax Description

no	(Optional) Negate the command
congestion-control	Congestion control protocol
random-detect	Enable WRED protocol
forward-nonecn	Forward non ECN capable traffic without WRED dropping

Command Mode

- /exec/configure

congestion-control random-detect global-buffer minimum-threshold maximum-threshold

[no] congestion-control random-detect global-buffer minimum-threshold { <min-thresh> [packets | bytes | kbytes | mbytes] } maximum-threshold { <max-thresh> [packets1 | bytes1 | kbytes1 | mbytes1] }

Syntax Description

no	(Optional) Negate the command
congestion-control	Congestion control protocol
random-detect	Enable WRED protocol
global-buffer	global buffer threshold
minimum-threshold	Specify minimum threshold for WRED
<i>min-thresh</i>	Minimum threshold value
maximum-threshold	Specify maximum threshold for WRED
<i>max-thresh</i>	Maximum threshold value
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes

Command Mode

- /exec/configure

congestion-control tail-drop

[no] congestion-control tail-drop [threshold { burst-optimized | mesh-optimized }]

Syntax Description

no	(Optional) Negate a command or set its defaults
congestion-control	Congestion Control Protocol
tail-drop	Enable Tail-Drop
threshold	(Optional) Threshold
burst-optimized	(Optional) Threshold optimized for bursty traffic
mesh-optimized	(Optional) Threshold optimized for mesh traffic

Command Mode

- /exec/configure/policy-map/type/uf/class

connect

[no] connect

Syntax Description

no	(Optional) Negate a command or set its defaults
connect	Connect to remote host

Command Mode

- /exec/configure/vmt-conn

connected-prefix-sid-map

[no] connected-prefix-sid-map

Syntax Description

no	(Optional) Negate a command or set its defaults
connected-prefix-sid-map	Configure connected prefix Segment Identifier mappings

Command Mode

- /exec/configure/config-sr-mpls

constellation

[no] constellation <constellation>

Syntax Description

no	(Optional) Negate a command or set its defaults
constellation	Select the constellation
<i>constellation</i>	constellation

Command Mode

- /exec/configure/gnss-if

constraints

[no] constraints

Syntax Description

no	(Optional) Negate a command or set its defaults
constraints	Candidate path-option constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref

constraints

[no] constraints

Syntax Description

no	(Optional) Negate a command or set its defaults
constraints	Candidate path-option constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref

continue

{ continue <value> } | { no continue [<value>] }

Syntax Description

no	Negate a command or set its defaults
continue	Continue on a different entry within the route-map
<i>value</i>	Route-map entry sequence number

Command Mode

- /exec/configure/route-map

contract-id

{ contract-id <s0> | no contract-id }

Syntax Description

no	Negate a command or set its defaults
contract-id	Service contract id of the customer
s0	Provide contract number (as specified in the service agreement)

Command Mode

- /exec/configure/callhome

control-plane

control-plane

Syntax Description

control-plane	Enter to control-plane sub-mode
---------------	---------------------------------

Command Mode

- /exec/configure

control-plane dynamic

control-plane dynamic

Syntax Description

control-plane	Enter to control-plane sub-mode
dynamic	dynamic mode

Command Mode

- /exec/configure

control-word

[no] control-word

Syntax Description

no	(Optional) Negate a command or set its defaults
control-word	MPLS CONTROL WORD

Command Mode

- /exec/configure/nve-encap

controller-credentials username password 0

[no] controller-credentials username <user> password { 0 <clear> | 7 <encrypted> }

Syntax Description

no	(Optional) Negate a command or set its defaults
controller-credentials	NBM Controller login credentials
username	User ID
<i>user</i>	Enter user ID
password	Password
0	Password that follows should be in clear text
<i>clear</i>	Password in clear text
7	Password that follows should be encrypted text
<i>encrypted</i>	Encrypted password

Command Mode

- /exec/configure/nbm-controller

controller ip vrf

[no] controller ip <cntlr-ip> vrf { <vrf-name> | <vrf-known-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
controller	Controller
ip	IP Address
<i>cntlr-ip</i>	IP Address of Controller
vrf	vrf context
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/nbm-controller

copp copy profile prefix

copp copy profile <profile_type> { prefix | suffix } <user_string>

Syntax Description

copp	Control-Plane Policing
copy	Make a copy of the CoPP Profile
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types
prefix	prefix for the copied policy
suffix	suffix for the copied policy
<i>user_string</i>	Enter prefix/suffix for the copied policy

Command Mode

- /exec

copp profile

copp profile <profile_type>

Syntax Description

copp	Control-Plane Policing
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types

Command Mode

- /exec/configure

copp profile

[no] copp profile [<profile_type>]

Syntax Description

no	Negate a command or set its defaults
copp	Control-Plane Policing
profile	CoPP Profile
<i>profile_type</i>	(Optional) CoPP Profile Types

Command Mode

- /exec/configure

copp rate-limit disable

[no] copp rate-limit disable

Syntax Description

no	(Optional) Negate a command or set its defaults
copp	copp
rate-limit	rate-limit
disable	Disable rate-limit on CoPP queues

Command Mode

- /exec/configure

copy

```
copy { { <src_local> { <dest_remote> [ ignore-certificate ] [ use-tls1.0 | use-tls1.1 ] [ source-interface <intf>
| vrf <vrf-known-name> ] } } [ use-kstack ] [ port <port-number> ] [ verbose ] | { <src_remote> { <dest_local>
[ compact ] | running-config [ echo-commands ] [ stop-at-first-failure ] | startup-config } } [ ignore-certificate
] [ use-tls1.0 | use-tls1.1 ] [ source-interface <intf> | vrf <vrf-known-name> ] [ use-kstack ] [ port <port-number>
] [ verbose ] | { <src_core> { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } [ use-kstack
] [ port <port-number> ] [ verbose ] | { running-config-src { <dest_remote> [ source-interface <intf> | vrf
<vrf-known-name> ] } } [ use-kstack ] [ port <port-number> ] [ verbose ] | { startup-config-src { <dest_remote>
[ source-interface <intf> | vrf <vrf-known-name> ] } } [ use-kstack ] [ port <port-number> ] [ verbose ] }
```

Syntax Description

copy	Copy from one file to another
<i>src_local</i>	Select source filesystem
<i>src_core</i>	Select source filesystem
<i>dest_local</i>	Select destination filesystem
<i>dest_remote</i>	Select destination filesystem
<i>src_remote</i>	Select source filesystem
vrf	(Optional) Display per-VRF information
source-interface	(Optional) Select source interface
<i>intf</i>	(Optional)
<i>vrf-known-name</i>	(Optional) Known VRF name
compact	(Optional) Compacting NXOS NBI image using scp
ignore-certificate	(Optional) Ignore certificates for https server connection
use-tls1.0	(Optional) Use TLSv1.0 and above for negotiation
use-tls1.1	(Optional) Use TLSv1.1 and above for negotiation
use-kstack	(Optional) Use faster version of copy but with limited options
port	(Optional) Use specified port instead of default to connect remote host
<i>port-number</i>	(Optional) Custom port number to connect remote host
verbose	(Optional) Prints additional logs for debugging
running-config	Copy from source to running configuration
running-config-src	Copy running configuration to destination
startup-config	Copy from source to startup configuration

startup-config-src	Copy startup configuration to destination
echo-commands	(Optional) Echo the commands before applying them (to correlate errors)
stop-at-first-failure	(Optional) Stop at first error

Command Mode

- /exec

copy

```
copy { { <src_local> { <dest_local> | running-config [ echo-commands ] [ stop-at-first-failure ] [ batch-mode ] | startup-config | scheduled-config } } | { <src_core> <dest_local_core> } | { running-config-src { startup-config [ fabric ] | <dest_local_config> } } | { startup-config-src { running-config [ echo-commands ] [ stop-at-first-failure ] | <dest_local_config> } } | { switch-profile-cfg <dest_local_config> } }
```

Syntax Description

copy	Copy from one file to another
<i>src_local</i>	Select source filesystem
<i>src_core</i>	Select source filesystem
<i>dest_local</i>	Select destination filesystem
<i>dest_local_core</i>	Select destination filesystem
<i>dest_local_config</i>	Select destination filesystem
running-config	Copy from source to running configuration
running-config-src	Copy running configuration to destination
startup-config	Copy from source to startup configuration
startup-config-src	Copy startup configuration to destination
scheduled-config	Schedule configuration at the specified source to be applied at next switch reload
switch-profile-cfg	Copy switch profile running configuration to destination
echo-commands	(Optional) Echo the commands before applying them (to correlate errors)
stop-at-first-failure	(Optional) Stop at first error
batch-mode	(Optional) Copy file to running in batch mode
fabric	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

copy licenses

copy licenses <uri0>

Syntax Description

copy	Copy from one file to another
licenses	Backup license files
<i>uri0</i>	Specify URL (with .tar extension) for backing up license files

Command Mode

- /exec

copy licenses

copy licenses <uri0>

Syntax Description

copy	Copy from one file to another
licenses	Backup license files
<i>uri0</i>	Specify URL (with .tar extension) for backing up license files

Command Mode

- /exec

copy recursive

```
copy <source> <destination> recursive [ vrf <vrf-known-name> ] [ use-kstack ] [ port <port-number> ] [
verbose ]
```

Syntax Description

<code>copy</code>	Copy from one file to another
<code>recursive</code>	Recursively copy files and folders
<code>source</code>	Select source filesystem
<code>destination</code>	Select destination filesystem
<code>vrf</code>	(Optional) Display per-VRF information
<code>use-kstack</code>	(Optional) Use kstack version of copy
<code>port</code>	(Optional) Use specified port instead of default to connect remote host
<code>port-number</code>	(Optional) Custom port number to connect remote host
<code>verbose</code>	(Optional) Prints additional logs for debugging
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec

copy running vdc-all

```
copy { running-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } |
startup-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } vdc-all [ use-kstack
] [ port <port-number> ] [ verbose ]
```

Syntax Description

copy	Copy from one file to another
<i>dest_remote</i>	Select destination filesystem
vrf	(Optional) Display per-VRF information
<i>vrf-known-name</i>	(Optional) Known VRF name
source-interface	(Optional) Select source interface
<i>intf</i>	(Optional)
running-config-src	Copy running configuration to destination
startup-config-src	Copy startup configuration to destination
vdc-all	Perform copy for all vdc's
use-kstack	(Optional) Use kstack version of copy
port	(Optional) Use specified port instead of default to connect remote host
<i>port-number</i>	(Optional) Custom port number to connect remote host
verbose	(Optional) Prints additional logs for debugging

Command Mode

- /exec

copy vdc-all

```
copy { running-config-src { startup-config | <dest_local_config> } | startup-config-src { running-config | <dest_local_config> } } vdc-all
```

Syntax Description

copy	Copy from one file to another
<i>dest_local_config</i>	Select destination filesystem
running-config-src	Copy running configuration to destination
startup-config	Copy from source to startup configuration
running-config	Copy from source to running configuration
startup-config-src	Copy startup configuration to destination
vdc-all	Perform copy for all vdes

Command Mode

- /exec

cost

{ cost <cost> } | { no cost [<cost>] }

Syntax Description

no	Negate a command or set its defaults
cost	Cost associated with interface
<i>cost</i>	Cost value

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

count

| count

Syntax Description

	Pipe command output to filter
count	Count number of lines

Command Mode

- /output

count

[no] count <cap-count>

Syntax Description

no	(Optional) Negate the command
count	Configure Captured Transactions count
<i>cap-count</i>	Number of Captured Transactions

Command Mode

- /exec/configure/pkt-drop

cpu

{ cpu <cpu-units> | no cpu [<cpu-units>] }

Syntax Description

no	Negate a command or set its defaults
cpu	Application CPU units/share quota
<i>cpu-units</i>	Application CPU units/share quota

Command Mode

- /exec/configure/app-hosting-resource-profile-custom

crypto ca authenticate

[no] crypto ca authenticate <s0> [accept] [pemfile <uri0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
authenticate	Authenticate the certificate authority certificate
s0	trustpoint label
accept	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pemfile	(Optional) ca certificate chain in pem format
uri0	(Optional) source file url

Command Mode

- /exec/configure

crypto ca cabundle

[no] crypto ca cabundle <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
cabundle	Configure cabundle for bundling certificate authorities
s0	cabundle label

Command Mode

- /exec/configure

crypto ca crl request

[no] crypto ca crl request <s0> <uri0>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
crl	import certificate revocation list
request	import certificate revocation list
s0	trustpoint label
uri0	Specify source file name

Command Mode

- /exec/configure

crypto ca enroll

[no] crypto ca enroll <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
enroll	Create certificate request
s0	trustpoint label

Command Mode

- /exec/configure

crypto ca export pkcs12

[no] crypto ca export <s0> pkcs12 <uri0> <s1>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
export	export rsa private key and certificates in pkcs#12
s0	trustpoint label
pkcs12	destination file url
uri0	Specify destination file name
s1	passphrase to encrypt the private key

Command Mode

- /exec/configure

crypto ca import certificate

[no] crypto ca import <s0> certificate

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
import	import the certificate or key
s0	trustpoint label
certificate	import the certificate

Command Mode

- /exec/configure

crypto ca import pkcs12

crypto ca import <s0> pkcs12 <uri0> <s1> [no-verify]

Syntax Description

crypto	Set crypto settings
ca	Configure certificate authority related information
import	import the certificate or key
<i>s0</i>	trustpoint label
pkcs12	source file url
<i>uri0</i>	source file url
<i>s1</i>	passphrase to decrypt the private key
no-verify	(Optional) certificates will not be verified against each other

Command Mode

- /exec/configure

crypto ca import pkcs7

crypto ca import <s0> pkcs7 <uri0> [force]

Syntax Description

crypto	Set crypto settings
ca	Configure certificate authority related information
import	import the certificate or key
<i>s0</i>	trustpoint baselabel
<i>pkcs7</i>	source file url in p7b/pem format
<i>uri0</i>	source file url in p7b/pem format
force	(Optional) Force overwrite the existing certificate bundle

Command Mode

- /exec/configure

crypto ca lookup

[no] crypto ca lookup { remote | local | both }

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
lookup	Choose the certstore for authentication
remote	Use remote certstore
local	Use local certstore
both	Use both local and remote certstore

Command Mode

- /exec/configure

crypto ca remote ldap

```
[no] crypto ca remote ldap { server-group <s0> | [ crl-refresh-time <i0> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
remote	Use ca from remote certstore
ldap	Ldap certstore
crl-refresh-time	(Optional) Configure refresh-time to fetch crl from remote certstore
<i>i0</i>	(Optional) Refresh time value in hours. A value of 0 will now run the refresh routine once.
server-group	Ldap server group
<i>s0</i>	Ldap server group name

Command Mode

- /exec/configure

crypto ca trustpoint

[no] crypto ca trustpoint <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
ca	Configure certificate authority related information
trustpoint	Configure trustpoint certificate authority
s0	trustpoint label

Command Mode

- /exec/configure

crypto ca trustpool import url

crypto ca trustpool import url <source_uri>

Syntax Description

crypto	Set crypto settings
ca	Configure certificate authority related information
trustpool	Configure trustpool related information
import	Configure import of trustpool
url	Configure URL from which trustpool will be imported
<i>source_uri</i>	Select source URL

Command Mode

- /exec

crypto ca trustpool import url clean

crypto ca trustpool import url clean

Syntax Description

crypto	Set crypto settings
ca	Configure certificate authority related information
trustpool	Configure trustpool related information
import	Configure import of trustpool
url	URL from which trustpool will be imported
clean	delete the contents of the trustpool

Command Mode

- /exec

crypto ca trustpool policy

crypto ca trustpool policy

Syntax Description

crypto	Set crypto settings
ca	Configure certificate authority related information
trustpool	Configure trustpool related information
policy	Configure trustpool policy

Command Mode

- /exec/configure

crypto cert ssh-authorize

[no] crypto cert ssh-authorize [<s0> map <s1> [<s2>] | default map <s3>]

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Configure crypto settings
cert	Configure certificate mapping filter settings
ssh-authorize	Configure mapping filter for ssh
s0	(Optional) Issuer name of the certificate
map	(Optional) Mapping filter to be applied
s1	(Optional) Name of the mapping filter which is already configured
s2	(Optional) Name of the mapping filter which is already configured
default	(Optional) Default map for ssh authorization
s3	(Optional) Name of the default mapping filter which is already configured

Command Mode

- /exec/configure

crypto certificatemap mapname

[no] crypto certificatemap mapname <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
certificatemap	Configure certificatemap filters
mapname	Create a new filter map
s0	Name of the filter map

Command Mode

- /exec/configure

crypto key generate ecc

```
[no] crypto key generate ecc [ { [ exportable ] [ modulus <i0> ] | [ label <s0> ] [ [ exportable ] [ modulus1 <i1> ] ] | modulus2 <i2> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
generate	Configure key pair generation related information
ecc	Configure ecc key pair generation related information
exportable	(Optional) key-pair is exportable
modulus	(Optional) key-pair size
<i>i0</i>	(Optional) key-pair size
label	(Optional) key-pair label
<i>s0</i>	(Optional) key-pair label
exportable	(Optional) key-pair is exportable
modulus1	(Optional) key-pair size
<i>i1</i>	(Optional) key-pair size
modulus2	(Optional) key-pair size
<i>i2</i>	(Optional) key-pair size

Command Mode

- /exec/configure

crypto key generate rsa

```
[no] crypto key generate rsa [ { [ exportable ] [ modulus <i0> ] | [ label <s0> ] | [ exportable ] [ modulus1 <i1> ] | modulus2 <i2> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
generate	Configure key pair generation related information
rsa	Configure rsa key pair generation related information
exportable	(Optional) key-pair is exportable
modulus	(Optional) key-pair size
<i>i0</i>	(Optional) key-pair size
label	(Optional) key-pair label
<i>s0</i>	(Optional) key-pair label
exportable	(Optional) key-pair is exportable
modulus1	(Optional) key-pair size
<i>i1</i>	(Optional) key-pair size
modulus2	(Optional) key-pair size
<i>i2</i>	(Optional) key-pair size

Command Mode

- /exec/configure

crypto key zeroize rsa

[no] crypto key zeroize rsa <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
crypto	Set crypto settings
key	Configure key pair related information
zeroize	Delete key-pair
rsa	Delete rsa key-pair
s0	key-pair label

Command Mode

- /exec/configure

crypto qkd profile

[no] crypto qkd profile <name>

Syntax Description

crypto	cryptopqc configuration commands
qkd	crypto qkd profile configuration
profile	Crypto profile to be used
<i>name</i>	Name of crypto profile

Command Mode

- /exec/configure

cryptographic-algorithm

{ cryptographic-algorithm <algo> } | { no cryptographic-algorithm [<algo>] }

Syntax Description

no	Negate a command or set its defaults
cryptographic-algorithm	Set cryptographic-algorithm to be used
<i>algo</i>	Cryptographic-algorithm

Command Mode

- /exec/configure/tcpkeychain-key

cryptographic-algorithm

[no] cryptographic-algorithm <algo>

Syntax Description

no	(Optional) Negate a command or set its defaults
cryptographic-algorithm	Set cryptographic-algorithm to be used
<i>algo</i>	Cryptographic-algorithm

Command Mode

- /exec/configure/keychain-key

customer-id

{ customer-id <s0> | no customer-id }

Syntax Description

no	Negate a command or set its defaults
customer-id	customer id
s0	Provide customer id (as specified in the service agreement)

Command Mode

- /exec/configure/callhome

cut

| cut { -b <bytes> | -c <chars> | -f <fields> | -d <delim> | -s | --help } +

Syntax Description

	Pipe command output to filter
cut	Print selected parts of lines.
-b	output only these bytes
-c	output only these characters
-d	specify other field delimiter (default is TAB).
-f	output only these fields also print any line that contains no delimiter character, unless the -s option is specified
-s	do not print lines not containing delimiters
<i>bytes</i>	{n n- n-m -m} N-th byte, N to end of line, N to M, start of line to N
<i>chars</i>	{n n- n-m -m} N-th char, N to end of line, N to M, start of line to N
<i>fields</i>	{n n- n-m -m} N-th field, N to end of line, N to M, start of line to N
<i>delim</i>	field separator char, TAB is default, use ' ' for space
--help	print help of underlying unix command

Command Mode

- /output



D Commands

- [dampen-igp-metric](#), on page 986
- [dampening](#), on page 987
- [dampening](#), on page 988
- [dampening](#), on page 989
- [data-pattern](#), on page 990
- [data-pattern pad](#), on page 991
- [data-source](#), on page 992
- [database-mapping](#), on page 993
- [databits](#), on page 994
- [databits](#), on page 995
- [dataplane mpls](#), on page 996
- [dataplane mpls](#), on page 997
- [db-jid](#), on page 998
- [db-security user password](#), on page 999
- [db-size](#), on page 1000
- [db-table](#), on page 1001
- [dchal module](#), on page 1002
- [dchal module](#), on page 1003
- [dci-advertise-pip](#), on page 1004
- [dead-interval](#), on page 1005
- [dead-interval](#), on page 1006
- [dead-interval](#), on page 1007
- [deadtime](#), on page 1008
- [deadtime](#), on page 1009
- [deadtime](#), on page 1010
- [deep-buffer](#), on page 1011
- [default-information originate](#), on page 1012
- [default-information originate](#), on page 1013
- [default-information originate](#), on page 1014
- [default-information originate](#), on page 1015
- [default-information originate](#), on page 1016
- [default-information originate](#), on page 1017
- [default-information originate always rd route-target](#), on page 1018

- default-metric, on page 1019
- default-metric, on page 1020
- default-metric, on page 1021
- default-metric, on page 1022
- default-metric, on page 1023
- default-originate, on page 1024
- default-route nssa-abr pbit-clear, on page 1025
- default-route nssa-abr pbit-clear, on page 1026
- default-traffic-action, on page 1027
- default address-family ipv4 mdt, on page 1028
- default permit, on page 1029
- default permit, on page 1030
- default permit, on page 1031
- default permit, on page 1032
- default permit, on page 1033
- default permit, on page 1034
- define, on page 1035
- delay-response duration, on page 1036
- delay-response duration range, on page 1037
- delay-response interval, on page 1038
- delay-response interval range, on page 1039
- delay-restore time, on page 1040
- delay, on page 1041
- delay, on page 1042
- delay, on page 1043
- delay, on page 1044
- delay peer-link, on page 1045
- delay restore, on page 1046
- delay restore interface-vlan, on page 1047
- delay restore orphan-port, on page 1048
- delete, on page 1049
- delete ca-certificate, on page 1050
- delete certificate, on page 1051
- delete crl, on page 1052
- demand-circuit, on page 1053
- depth, on page 1054
- depth, on page 1055
- description, on page 1056
- description, on page 1057
- description, on page 1058
- description, on page 1059
- description, on page 1060
- description, on page 1061
- description, on page 1062
- description, on page 1063
- description, on page 1064

- [description, on page 1065](#)
- [description, on page 1066](#)
- [description, on page 1067](#)
- [description, on page 1068](#)
- [description, on page 1069](#)
- [description, on page 1070](#)
- [description, on page 1071](#)
- [description, on page 1072](#)
- [description, on page 1073](#)
- [description, on page 1074](#)
- [description, on page 1075](#)
- [description, on page 1076](#)
- [description, on page 1077](#)
- [description, on page 1078](#)
- [description, on page 1079](#)
- [description, on page 1080](#)
- [description, on page 1081](#)
- [description, on page 1082](#)
- [description, on page 1083](#)
- [description, on page 1084](#)
- [description, on page 1085](#)
- [description, on page 1086](#)
- [description, on page 1087](#)
- [description, on page 1088](#)
- [description, on page 1089](#)
- [description, on page 1090](#)
- [description, on page 1091](#)
- [description, on page 1092](#)
- [description, on page 1093](#)
- [description, on page 1094](#)
- [description, on page 1095](#)
- [description, on page 1096](#)
- [description, on page 1097](#)
- [description, on page 1098](#)
- [description, on page 1099](#)
- [description, on page 1100](#)
- [description, on page 1101](#)
- [description, on page 1102](#)
- [description, on page 1103](#)
- [description, on page 1104](#)
- [description, on page 1105](#)
- [description, on page 1106](#)
- [description, on page 1107](#)
- [description, on page 1108](#)
- [description, on page 1109](#)
- [dest-ipaddr, on page 1110](#)

- [dest-ipaddr](#), on page 1111
- [dest-port](#), on page 1112
- [dest](#), on page 1113
- [destination-group](#), on page 1114
- [destination-profile](#), on page 1115
- [destination-profile](#), on page 1116
- [destination-profile CiscoTAC-1 alert-group](#), on page 1117
- [destination-profile CiscoTAC-1 email-addr](#), on page 1118
- [destination-profile CiscoTAC-1 http](#), on page 1119
- [destination-profile CiscoTAC-1 index email-addr](#), on page 1120
- [destination-profile CiscoTAC-1 index http](#), on page 1121
- [destination-profile CiscoTAC-1 transport-method email](#), on page 1122
- [destination-profile CiscoTAC-1 transport-method http](#), on page 1123
- [destination-profile alert-group](#), on page 1124
- [destination-profile email-addr](#), on page 1125
- [destination-profile format](#), on page 1126
- [destination-profile full-txt-destination alert-group](#), on page 1127
- [destination-profile full-txt-destination email-addr](#), on page 1128
- [destination-profile full-txt-destination http](#), on page 1129
- [destination-profile full-txt-destination index email-addr](#), on page 1130
- [destination-profile full-txt-destination index http](#), on page 1131
- [destination-profile full-txt-destination message-level](#), on page 1132
- [destination-profile full-txt-destination message-size](#), on page 1133
- [destination-profile full-txt-destination transport-method http](#), on page 1134
- [destination-profile full-txt-destination transport-method email](#), on page 1135
- [destination-profile http](#), on page 1136
- [destination-profile index email-addr](#), on page 1137
- [destination-profile index http](#), on page 1138
- [destination-profile message-level](#), on page 1139
- [destination-profile message-size](#), on page 1140
- [destination-profile short-txt-destination alert-group](#), on page 1141
- [destination-profile short-txt-destination email-addr](#), on page 1142
- [destination-profile short-txt-destination http](#), on page 1143
- [destination-profile short-txt-destination index email-addr](#), on page 1144
- [destination-profile short-txt-destination index http](#), on page 1145
- [destination-profile short-txt-destination message-level](#), on page 1146
- [destination-profile short-txt-destination message-size](#), on page 1147
- [destination-profile short-txt-destination transport-method email](#), on page 1148
- [destination-profile short-txt-destination transport-method http](#), on page 1149
- [destination-profile transport-method email](#), on page 1150
- [destination-profile transport-method http](#), on page 1151
- [destination-sup interface](#), on page 1152
- [destination](#), on page 1153
- [destination](#), on page 1154
- [destination](#), on page 1155
- [destination](#), on page 1156

- destination, on page 1157
- destination, on page 1158
- destination any, on page 1159
- destination group, on page 1160
- destination inband-interface, on page 1161
- destination inband-interface, on page 1162
- destination inband-interface, on page 1163
- destination interface, on page 1164
- destination ip, on page 1165
- destination ipv4, on page 1166
- destination ipv6, on page 1167
- destination ipv6, on page 1168
- destination sup-eth0, on page 1169
- destination sup-eth0, on page 1170
- destination sup-eth0, on page 1171
- device-alias abort, on page 1172
- device-alias commit, on page 1173
- device-alias confirm-commit enable, on page 1174
- device-alias database, on page 1175
- device-alias distribute, on page 1176
- device-alias import fcalias vsan, on page 1177
- device-alias mode enhanced, on page 1178
- device-alias name, on page 1179
- device-alias name pwnn, on page 1180
- device-alias rename, on page 1181
- device-alias vsan, on page 1182
- device-group, on page 1183
- device-role, on page 1184
- device-role, on page 1185
- device-role, on page 1186
- df-election time, on page 1187
- dfe-tuning-delay, on page 1188
- diagnostic bootup level, on page 1189
- diagnostic bootup level, on page 1190
- diagnostic clear result module all diagnostic clear result module test, on page 1191
- diagnostic monitor interval module test all hour min second, on page 1192
- diagnostic monitor module test all, on page 1193
- diagnostic monitor syslog, on page 1194
- diagnostic ondemand action-on-failure continue failure-count diagnostic ondemand action-on-failure stop, on page 1195
- diagnostic ondemand iteration, on page 1196
- diagnostic ondemand test-parameter module test port_lb packet-length, on page 1197
- diagnostic start module test, on page 1198
- diagnostic stop module test all, on page 1199
- diagnostic test simulation module test diagnostic test simulation module test clear, on page 1200
- dialin-stream, on page 1201

- [diff-clean](#), on page 1202
- [diff-clean all-users](#), on page 1203
- [diff](#), on page 1204
- [dir](#), on page 1205
- [disable-connected-check](#), on page 1206
- [disable-fka](#), on page 1207
- [disable-peer-as-check](#), on page 1208
- [disable-policy-batching](#), on page 1209
- [disable-smart-zoning](#), on page 1210
- [disable vlan](#), on page 1211
- [discard-route external](#), on page 1212
- [discard-route external](#), on page 1213
- [disjoint](#), on page 1214
- [disjoint](#), on page 1215
- [distance](#), on page 1216
- [distance](#), on page 1217
- [distance](#), on page 1218
- [distance](#), on page 1219
- [distance](#), on page 1220
- [distance](#), on page 1221
- [distribute into route-map all](#), on page 1222
- [distribute link-state](#), on page 1223
- [dlb-interface](#), on page 1224
- [dmz-link-bandwidth](#), on page 1225
- [dns](#), on page 1226
- [domain-id](#), on page 1227
- [domain-id secondary](#), on page 1228
- [domain-tag](#), on page 1229
- [dont-capability-negotiate](#), on page 1230
- [dos2nxos](#), on page 1231
- [dot1q](#), on page 1232
- [dot1q](#), on page 1233
- [dot1q default dynamic](#), on page 1234
- [dot1x authentication event server dead action authorize](#), on page 1235
- [dot1x authentication order](#), on page 1236
- [dot1x default](#), on page 1237
- [dot1x default](#), on page 1238
- [dot1x host-mode](#), on page 1239
- [dot1x initialize](#), on page 1240
- [dot1x mac-auth-bypass](#), on page 1241
- [dot1x mac-move](#), on page 1242
- [dot1x max-reauth-req](#), on page 1243
- [dot1x max-req](#), on page 1244
- [dot1x pae](#), on page 1245
- [dot1x port-control](#), on page 1246
- [dot1x radius-accounting](#), on page 1247

- dot1x re-authenticate interface, on page 1248
- dot1x re-authentication, on page 1249
- dot1x show credential, on page 1250
- dot1x supplicant eap profile, on page 1251
- dot1x system-auth-control, on page 1252
- dot1x timeout inactivity-period, on page 1253
- dot1x timeout quiet-period, on page 1254
- dot1x timeout ratelimit-period, on page 1255
- dot1x timeout re-authperiod, on page 1256
- dot1x timeout server-timeout, on page 1257
- dot1x timeout supp-timeout, on page 1258
- dot1x timeout tx-period, on page 1259
- down-bit-ignore, on page 1260
- downlink delay, on page 1261
- dpp set-qos-group, on page 1262
- dpvm abort, on page 1263
- dpvm activate, on page 1264
- dpvm auto-learn, on page 1265
- dpvm commit, on page 1266
- dpvm database, on page 1267
- dpvm database copy active, on page 1268
- dpvm database diff, on page 1269
- dpvm distribute, on page 1270
- dpvm fip enable, on page 1271
- dpvm overwrite-duplicate-pwwn, on page 1272
- dpvm restart, on page 1273
- dre-thresholds, on page 1274
- drop-trigger, on page 1275
- drop access-list, on page 1276
- dscp, on page 1277
- dscp, on page 1278
- dscp, on page 1279
- dscp, on page 1280
- dscp, on page 1281
- dscp, on page 1282
- dscp, on page 1283
- dst-grp, on page 1284
- dual-active exclude interface-vlan, on page 1285
- duplex, on page 1286
- duplex, on page 1287
- duplicate-message throttle, on page 1288
- dynamic-capability, on page 1289
- dynamic-med-interval, on page 1290
- dynamic-timer, on page 1291
- dynamic, on page 1292
- dynamic, on page 1293

dampen-igp-metric

dampen-igp-metric <sec> | no dampen-igp-metric

Syntax Description

no	Negate a command or set its defaults
dampen-igp-metric	Dampen IGP metric-related changes
<i>sec</i>	Time interval in seconds

Command Mode

- /exec/configure/router-bgp/router-bgp-af

dampening

[no] dampening [{ <half-life> <reuse-limit> <suppress-limit> <max-suppress-time> } | { route-map <rmap-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
dampening	Configure route flap dampening
<i>half-life</i>	(Optional) Decay half life
<i>reuse-limit</i>	(Optional) Value to start reusing a route
<i>suppress-limit</i>	(Optional) Value to start suppressing a route
<i>max-suppress-time</i>	(Optional) Maximum suppress time for stable route
route-map	(Optional) Apply route-map to specify dampening criteria
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-vpls

dampening

```
[no] dampening | dampening [ { <half-life> [ { <reuse> <suppress> <max-suppress> } ] restart [ <penalty> ] ] ] }
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>dampening</code>	configures dampening feature
<i>half-life</i>	(Optional) half-life time for the penalty
<i>reuse</i>	(Optional) Value to start reusing an interface
<i>suppress</i>	(Optional) Value to start suppressing an interface
<i>max-suppress</i>	(Optional) Maximum duration to suppress an interface
<code>restart</code>	(Optional) Enable restart penalty
<i>penalty</i>	(Optional) Penalty applied at restart

Command Mode

- /exec/configure/if-igp

dampening

```
[no] dampening [ { <half-life> <reuse-limit> <suppress-limit> <max-suppress-time> } | { route-map
<rmap-name> } ]
```

Syntax Description

<code>no</code>	(Optional) Negate a command or set its defaults
<code>dampening</code>	Configure route flap dampening
<i>half-life</i>	(Optional) Decay half life
<i>reuse-limit</i>	(Optional) Value to start reusing a route
<i>suppress-limit</i>	(Optional) Value to start suppressing a route
<i>max-suppress-time</i>	(Optional) Maximum suppress time for stable route
<code>route-map</code>	(Optional) Apply route-map to specify dampening criteria
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4
/exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-af-link-state
/exec/configure/router-bgp/router-bgp-af-l2vpn-evpn /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn
/exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-ipv4-mdt

data-pattern

```
{ { no | default } data-pattern | data-pattern <hex-pattern> }
```

Syntax Description

no	
default	Set a command to its defaults
data-pattern	Data Pattern
<i>hex-pattern</i>	Data Pattern in Hex

Command Mode

- /exec/configure/ip-sla/udp

data-pattern pad

```
{ data-pattern pad <pad-val> }
```

Syntax Description

<code>data-pattern</code>	Configure NGOAM ping payload
<code>pad</code>	Configure NGOAM payload test pattern pad
<i>pad-val</i>	Configure NGOAM payload test pad value

Command Mode

- /exec/configure/configngoamconnectcheck

data-source

{ data-source <type> } | { no data-source [<type>] }

Syntax Description

no	Negate a command or set its defaults
data-source	Specify the data source
<i>type</i>	

Command Mode

- /exec/configure/telemetry/sensor-group

database-mapping

```
{ [ no ] database-mapping { <eid-prefix> | <eid-prefix6> } { redistribute | { { <locator> | <locator6> } priority <priority> weight <weight> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
database-mapping	Configure EID-prefix and locator-set for dynamic-EID
<i>eid-prefix</i>	IP EID-prefix for RLOC static mapping
<i>locator</i>	IP address of LISP-VM routers
priority	Configures which Locators from a set are preferred
<i>priority</i>	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
<i>weight</i>	Specified in a percentage from 0 to 100
redistribute	Used for redistributing into routing protocols

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

databits

[no] databits <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
databits	Set number of databits per character
<i>i0</i>	Number of data bits

Command Mode

- /exec/configure/com1

databits

[no] databits <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
databits	Set number of databits per character
<i>i0</i>	Number of data bits

Command Mode

- /exec/configure/console

dataplane mpls

[no] dataplane mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
dataplane	Dataplane Candidate path-option
mpls	MPLS Dataplane Candidate path-option

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/sgmnt

dataplane mpls

[no] dataplane mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
dataplane	Dataplane Candidate path-option
mpls	MPLS Dataplane Candidate path-option

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/sgmnt

db-jid

[no] db-jid <jid> [key-type <key-type>]

Syntax Description

no	(Optional) Negate a command or set its defaults
db-jid	Jabber ID of database
<i>jid</i>	Enter Jabber ID of database
key-type	(Optional) Query key type for this database
<i>key-type</i>	(Optional)

Command Mode

- /exec/configure/fabric-db/server-xmpp

db-security user password

```
[no] db-security user <user> password { 0 <clear> | 7 <encrypted> | <password> } [ shared-secret { 10 <clear> | 7 <encrypted> | <secret> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
db-security	Database Security
user	User ID
<i>user</i>	Enter user ID
password	Password
0	Password that follows should be in clear text
<i>clear</i>	Password in clear text
7	Password that follows should be in encrypted text
<i>encrypted</i>	Encrypted password
<i>password</i>	Enter password in clear text
shared-secret	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
10	(Optional) Indicates that password that follows should be in clear text
<i>clear</i>	(Optional) Password in clear text
7	(Optional) Password that follows should be in encrypted text
<i>encrypted</i>	(Optional) Encrypted password
<i>secret</i>	(Optional) Enter shared-secret in clear text

Command Mode

- /exec/configure/fabric-db/server-ldap

db-size

[no] db-size <flowcount>

Syntax Description

db-size	Specify the size of service db
<i>flowcount</i>	Maximum number of flows

Command Mode

- /exec/configure/analytics/traffic-analytics

db-table

[no] db-table <tablename> [key-type <key-type>]

Syntax Description

no	(Optional) Negate a command or set its defaults
db-table	Table name to search
<i>tablename</i>	Enter table name to search
key-type	(Optional) Query key type for this table
<i>key-type</i>	(Optional)

Command Mode

- /exec/configure/fabric-db/server-ldap

dchal module

dchal module <module> <quoted-cmd>

Syntax Description

dchal	dchal shell/cmd
module	Module number of the linecard
<i>module</i>	Enter module number
<i>quoted-cmd</i>	the command to run on dchal

Command Mode

- /exec

dchal module

dchal module <module>

Syntax Description

dchal	dchal shell/cmd
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

dci-advertise-pip

[no] dci-advertise-pip

Syntax Description

no	(Optional) Negate a command or set its defaults
dci-advertise-pip	Advertise-PIP towards DCI

Command Mode

- /exec/configure/config-evpn-msite-bgw

dead-interval

```
{ { dead-interval <interval> } | { no dead-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
dead-interval	Dead interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

dead-interval

```
{ { dead-interval <interval> } | { no dead-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
dead-interval	Dead interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

dead-interval

```
{ { dead-interval <interval> } | { no dead-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
dead-interval	Dead interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

deadtime

[no] deadtime <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
deadtime	duration for which non-reachable server is skipped
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure/tacacs+

deadtime

[no] deadtime <*i0*>

Syntax Description

no	(Optional) Negate a command or set its defaults
deadtime	duration for which non-reachable server is skipped
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure/ldap

deadtime

[no] deadtime <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
deadtime	duration for which non-reachable server is skipped
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure/radius

deep-buffer

[no] deep-buffer

Syntax Description

no	(Optional) Negate a command or set its defaults
deep-buffer	enable deep buffer

Command Mode

- /exec/configure/policy-map/type/uf/class

default-information originate

[no] default-information originate

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	Control distribution of default information
originate	Distribute a default route

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv6-label
/exec/configure/router-bgp/router-bgp-af-ipv4-label

default-information originate

[no] default-information originate [always] [route-map <map-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	RIP control distribution of default route
originate	RIP distribute a default route
always	(Optional) RIP always advertise default route
route-map	(Optional) Policy to constrain redistribution
<i>map-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-rip/router-rip-af-common /exec/configure/router-rip/router-rip-vrf-af-common

default-information originate

[no] default-information originate [always] [route-map <map-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	Control origination of a default route
originate	Originate a default route
always	(Optional) Always advertise default route
route-map	(Optional) Route-map to announce default routes
<i>map-name</i>	(Optional) A 'routing-rules' route-map name

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

default-information originate

[no] default-information originate [always] [route-map <policy-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	Control distribution of default route
originate	Distribute a default route
always	(Optional) Always advertise default route
route-map	(Optional) Policy to control distribution of default route
<i>policy-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

default-information originate

[no] default-information originate [always] [route-map <map>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	Control origination of a default route
originate	Originate a default route
always	(Optional) Always advertise default route
route-map	(Optional) Use a route-map for default route metrics
<i>map</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-igrp/router-igrp-vrf-common /exec/configure/router-igrp/router-igrp-af-common

default-information originate

[no] default-information originate [always] [route-map <policy-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	Control distribution of default route
originate	Distribute a default route
always	(Optional) Always advertise default route
route-map	(Optional) Policy to control distribution of default route
<i>policy-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

default-information originate always rd route-target

```
[no] default-information originate always rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } route-target
{ <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
default-information	Control distribution of default information
originate	Distribute a default route
always	Always advertise default route
rd	VPN Route Distinguisher
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format
route-target	Specify Target VPN Extended Communities
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

default-metric

default-metric <metric> | no default-metric [<metric>]

Syntax Description

no	Negate a command or set its defaults
default-metric	RIP default metric
<i>metric</i>	RIP metric value

Command Mode

- /exec/configure/router-rip/router-rip-af-ipv4 /exec/configure/router-rip/router-rip-vrf-af-ipv4

default-metric

{ default-metric <cost> } | { no default-metric [<cost>] }

Syntax Description

no	Negate a command or set its defaults
default-metric	Specify default metric for redistributed routes
<i>cost</i>	Metric value

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

default-metric

```
{ { default-metric <bw> <delay> <rel> <load> <mtu> } | { no default-metric [ <bw> <delay> <rel> <load> <mtu> ] } }
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>default-metric</code>	Set metric of redistributed routes
<code>bw</code>	Bandwidth in Kbits per second
<code>delay</code>	Delay metric
<code>rel</code>	Reliability metric where 255 is 100% reliable
<code>load</code>	Effective bandwidth metric (Loading) where 255 is 100% loaded
<code>mtu</code>	Maximum Transmission Unit metric of the path

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

default-metric

{ default-metric <cost> } | { no default-metric [<cost>] }

Syntax Description

no	Negate a command or set its defaults
default-metric	Specify default metric for redistributed routes
<i>cost</i>	Metric value

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

default-metric

[no] default-metric <metric>

Syntax Description

no	(Optional) Negate a command or set its defaults
default-metric	Set metric of redistributed routes
<i>metric</i>	Default Metric

Command Mode

- /exec/configure/router-bgp/router-bgp-af

default-originate

[no | default] default-originate [route-map <rmap-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
default-originate	Originate a default toward this peer
route-map	(Optional) Route-map to specify criteria for originating default
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

default-route nssa-abr pbit-clear

[no] default-route nssa-abr pbit-clear

Syntax Description

no	(Optional) Negate a command or set its defaults
default-route	Control default-route addition
nssa-abr	On area border router with NSSA areas
pbit-clear	Allow addition even If p-bit in type-7 external LSA is clear

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

default-route nssa-abr pbit-clear

[no] default-route nssa-abr pbit-clear

Syntax Description

no	(Optional) Negate a command or set its defaults
default-route	Control default-route addition
nssa-abr	On area border router with NSSA areas
pbit-clear	Allow addition even If p-bit in type-7 external LSA is clear

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

default-traffic-action

[no] default-traffic-action <def-action>

Syntax Description

no	(Optional) Negate a command or set its defaults
default-traffic-action	default traffic behavior for epbr policy
<i>def-action</i>	default traffic action

Command Mode

- /exec/configure/epbr-policy

default address-family ipv4 mdt

default address-family ipv4 mdt

Syntax Description

default	Inherit values from a peer template
address-family	Configure an address-family
ipv4	Configure IPv4 address-family
mdt	Configure Multicast Distribution Tree

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor

default permit

[no] default { permit | deny }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Default Host Admission Policy
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/sender

default permit

[no] default { permit | deny }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Default Host Admission Policy
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/sender

default permit

[no] default { permit | deny }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Default Host Admission Policy
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/receiver

default permit

[no] default { permit | deny }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Default Host Admission Policy
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/receiver

default permit

[no] default { permit | deny }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Default Host Admission Policy
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/pim

default permit

[no] default { permit | deny }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	Default Host Admission Policy
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/pim

define

[no] define <paramname> [<paramtype>] [<paramdesc>]

Syntax Description

no	(Optional) Negate a command or set its defaults
define	Define a parameter
<i>paramname</i>	Enter the name of the parameter
<i>paramtype</i>	(Optional) param type
<i>paramdesc</i>	(Optional) Enter the parameter description

Command Mode

- /exec/configure/param-list

delay-response duration

[no] delay-response duration <sec> [renew-offset <off>]

Syntax Description

no	(Optional) Negate a command or set its defaults
delay-response	delay-response
duration	session duration
renew-offset	(Optional) session duration renewal offset
<i>sec</i>	seconds
<i>off</i>	(Optional) offset

Command Mode

- /exec/configure/ptp-ucastr-nego-schema

delay-response duration range

[no] delay-response duration range <min> <max>

Syntax Description

no	(Optional) Negate a command or set its defaults
delay-response	delay-response
duration	session duration
range	range of acceptable values
<i>min</i>	minimum in seconds
<i>max</i>	maximum in seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

delay-response interval

[no] delay-response interval <intv>

Syntax Description

no	(Optional) Negate a command or set its defaults
delay-response	delay-response
interval	interval
<i>intv</i>	log seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

delay-response interval range

[no] delay-response interval range <min> <max>

Syntax Description

no	(Optional) Negate a command or set its defaults
delay-response	delay-response
interval	interval
range	range of acceptable values
<i>min</i>	minimum in log seconds
<i>max</i>	maximum in log seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

delay-restore time

[no] delay-restore time <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
delay-restore	delay-restore
time	time
<i>sec</i>	time in seconds

Command Mode

- /exec/configure/config-evpn-msite-bgw

delay

delay <delay_val> | no delay [<delay_val>]

Syntax Description

no	Negate a command or set its defaults
delay	Specify interface throughput delay
<i>delay_val</i>	Throughput delay (tens of microseconds)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel-range

delay

delay <microseconds> | no delay

Syntax Description

no	Negate a command or set its defaults
delay	Specify interface throughput delay
<i>microseconds</i>	Throughput delay (tens of microseconds)

Command Mode

- /exec/configure/if-vlan-common

delay

delay <delay_val> | no delay [<delay_val>]

Syntax Description

no	Negate a command or set its defaults
delay	Specify interface throughput delay
<i>delay_val</i>	Throughput delay (tens of microseconds)

Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-port-channel-sub

delay

```
delay { { { up { <up_delay> | { milliseconds <up_delay_ms> } } } [ down { <down_delay> | { milliseconds
<down_delay_ms> } } ] } | { { down { <down_delay> | { milliseconds <down_delay_ms> } } } [ up {
<up_delay> | { milliseconds <up_delay_ms> } } ] } } | no delay [ { { up { <up_delay> | { milliseconds
<up_delay_ms> } } } [ down { <down_delay> | { milliseconds <down_delay_ms> } } ] } | { { down {
<down_delay> | { milliseconds <down_delay_ms> } } } [ up { <up_delay> | { milliseconds <up_delay_ms>
} } ] } ] }
```

Syntax Description

no	Negate a command or set its defaults
delay	Tracking delay
up	Delay up change notification
<i>up_delay</i>	Seconds to delay
<i>up_delay_ms</i>	Milliseconds to delay
down	(Optional) Delay down change notification
<i>down_delay</i>	(Optional) Seconds to delay
<i>down_delay_ms</i>	(Optional) Milliseconds to delay
milliseconds	Frequency will be taken as milliseconds

Command Mode

- /exec/configure/track /exec/configure/tr-list-bool /exec/configure/tr-list-thrp /exec/configure/tr-list-thrw

delay peer-link

delay peer-link <time> | no delay peer-link

Syntax Description

no	Negate a command or set its defaults
delay	Peer-link bringup delay
peer-link	Delay peer-link bringup
<i>time</i>	Delay in bringing up the peer-link (in seconds)

Command Mode

- /exec/configure/vpc-domain

delay restore

delay restore <time-out> | no delay restore

Syntax Description

no	Negate a command or set its defaults
delay	Initialization delay
restore	Delay after restoring peer-link
<i>time-out</i>	Delay in bringing up the vPC links (in seconds)

Command Mode

- /exec/configure/vpc-domain

delay restore interface-vlan

delay restore interface-vlan <time-out> | no delay restore interface-vlan

Syntax Description

no	Negate a command or set its defaults
delay	Initialization delay
restore	Delay after restoring peer-link
interface-vlan	Delay in bringing-up interface-vlan
<i>time-out</i>	Delay in bringing up the interface-vlan (in seconds)

Command Mode

- /exec/configure/vpc-domain

delay restore orphan-port

delay restore orphan-port <delay_time> | no delay restore orphan-port

Syntax Description

no	Negate a command or set its defaults
delay	Initialization delay
restore	Delay after restoring peer-link
orphan-port	Configure vPC orphan-port delay bring-up timer
<i>delay_time</i>	Specify delay time in seconds

Command Mode

- /exec/configure/vpc-domain

delete

delete { <uri0> | <uri1> | <uri2> } [no-prompt]

Syntax Description

delete	delete a file or directory
<i>uri0</i>	Delete a file or directory
<i>uri1</i>	Delete a file or directory on expansion flash
<i>uri2</i>	Directory or filename on logflash
no-prompt	(Optional) Do not prompt for multiple deletion of files

Command Mode

- /exec

delete ca-certificate

delete ca-certificate

Syntax Description

delete	Delete the certificates
ca-certificate	Delete the ca certificates

Command Mode

- /exec/configure/trustpoint

delete certificate

delete certificate [force]

Syntax Description

delete	Delete the certificates
certificate	Delete the identity certificate
force	(Optional) Force delete the identity certificate

Command Mode

- /exec/configure/trustpoint

delete crl

delete crl

Syntax Description

delete	Delete the certificates
crl	Delete the CRL

Command Mode

- /exec/configure/trustpoint

demand-circuit

[no] demand-circuit

Syntax Description

no	(Optional) Negate a command or set its defaults
demand-circuit	OSPF Demand circuit

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

depth

{ [no] depth <cells> | no depth }

Syntax Description

depth	Provide the number of cells for this POSTCARD queue_profile
cells	queue_profile depth (number of cells/packets). Default is 300

Command Mode

- /exec/configure/config-postcard-q-prof

depth

{ [no] depth <cells> | no depth }

Syntax Description

depth	Provide the number of cells for this INT queue_profile
cells	queue_profile depth (number of cells). Default is 300

Command Mode

- /exec/configure/config-int-q-prof

description

description [port-profile] <desc_line> | no description [port-profile] [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
description	Enter port-profile description of maximum 80 characters
port-profile	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>desc_line</i>	Enter port-profile description of maximum 80 characters

Command Mode

- /exec/configure/port-profile

description

[no] description <descr>

Syntax Description

no	(Optional) Negate a command or set its defaults
description	Configure description of the service-definition
<i>descr</i>	Description of maximum 64 characters

Command Mode

- /exec/configure/mdns-ser-def

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this INT queue_profile
<i>line</i>	queue_profile description string (63 characters maximum)

Command Mode

- /exec/configure/config-int-q-prof

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this INT flow-profile
<i>line</i>	flow-profile description string (63 characters maximum)

Command Mode

- /exec/configure/config-int-flow-prof

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Record
<i>line</i>	Record description string (63 characters maximum)

Command Mode

- /exec/configure/config-fte-record

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this FTE Monitor
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/config-fte-monitor

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this FTE Eveny
<i>line</i>	Event description string (63 characters maximum)

Command Mode

- /exec/configure/config-fte-event

description

{ description <line> | no description }

Syntax Description

no	Negate a command or set its defaults
description	Description of the route-map
<i>line</i>	Route-map description string

Command Mode

- /exec/configure/route-map

description

```
{ [ no ] description <text> }
```

Syntax Description

description	description for this profile
<i>text</i>	description

Command Mode

- /exec/configure/dot1x-cred

description

{ description <descr> } | { no description }

Syntax Description

description	Configure description of the profile
<i>descr</i>	Description of maximum 64 characters

Command Mode

- /exec/configure/configngoamprofile

description

description <descr> | no description

Syntax Description

no	Negate a command or set its defaults
description	Session description (max 32 characters)
<i>descr</i>	Enter the description string(can include spaces)

Command Mode

- /exec/configure/monitor-common

description

description <desc_line> | no description

Syntax Description

no	Negate a command or set its defaults
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-any-tunnel

description

{ description <desc-str> | no description [<desc-str>] }

Syntax Description

no	Negate a command or set its defaults
description	Class-Map description
<i>desc-str</i>	Description of this class-map (up to 200 characters)

Command Mode

- /exec/configure/class-map

description

[no] description <desc-str>

Syntax Description

no	(Optional) Negate a command or set its defaults
description	Class-Map description
<i>desc-str</i>	Description of this class-map (up to 200 characters)

Command Mode

- /exec/configure/class-map/type/queuing

description

{ description <desc-str> | no description [<desc-str>] }

Syntax Description

no	Negate a command or set its defaults
description	Table-Map description
<i>desc-str</i>	Description of this table-map (up to 200 characters)

Command Mode

- /exec/configure/table-map

description

```
{ description <desc-str> | no description [ <desc-str> ] }
```

Syntax Description

no	Negate a command or set its defaults
description	Policy-Map description
<i>desc-str</i>	Description of this policy-map (up to 200 characters)

Command Mode

- /exec/configure/policy-map

description

{ description <desc-str> | no description [<desc-str>] }

Syntax Description

no	Negate a command or set its defaults
description	Policy-Map description
<i>desc-str</i>	Description of this policy-map (up to 200 characters)

Command Mode

- /exec/configure/policy-map/type/queuing

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Record
<i>line</i>	Record description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-record

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Monitor
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-monitor

description

```
{ [ no ] description <line> | no description }
```

Syntax Description

description	Provide a description for this Flow Exporter
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-exporter

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Exporter
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/analytics/exporter

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Record
<i>line</i>	Record description string (63 characters maximum)

Command Mode

- /exec/configure/analytics/record

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Monitor
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/analytics/monitor

description

```
{ [ no ] description <line> | no description }
```

Syntax Description

description	Provide a description for this Event
<i>line</i>	Event description string (63 characters maximum)

Command Mode

- /exec/configure/analytics/event

description

{ description <desc-str> | no description [<desc-str>] }

Syntax Description

no	Negate a command or set its defaults
description	Class-Map description
<i>desc-str</i>	Description of this class-map (up to 200 characters)

Command Mode

- /exec/configure/class-map/type/uf

description

```
{ description <desc-str> | no description [ <desc-str> ] }
```

Syntax Description

no	Negate a command or set its defaults
description	Policy-Map description
<i>desc-str</i>	Description of this policy-map (up to 200 characters)

Command Mode

- /exec/configure/policy-map/type/uf

description

description <desc> | no description

Syntax Description

no	Negate a command or set its defaults
description	Fabric Path topology description
<i>desc</i>	Description of maximum 80 characters

Command Mode

- /exec/configure/fp-topology

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this collector
<i>line</i>	Collector description string (63 characters maximum)

Command Mode

- /exec/configure/config-buffer-latency-collector

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this buffer-latency record
<i>line</i>	Record description string (63 characters maximum)

Command Mode

- /exec/configure/config-buffer-latency-record

description

```
{ [ no ] description <line> | no description }
```

Syntax Description

description	Provide a description for this buffer-latency Monitor
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/config-buffer-latency-monitor

description

[no] description <description>

Syntax Description

no	(Optional) Negate a command or set its defaults
description	Configure description for the policy
<i>description</i>	Description for the policy

Command Mode

- /exec/configure/event-manager-applet

description

[no] description

Syntax Description

no	Negate a command or set its defaults
description	Configure description for the policy

Command Mode

- /exec/configure/event-manager-applet

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Exporter
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-exporter

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Record
<i>line</i>	Record description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-record

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Flow Monitor
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-monitor

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this Event
<i>line</i>	Event description string (63 characters maximum)

Command Mode

- /exec/configure/nfm-event

description

description <desc_line> | no description

Syntax Description

no	Negate a command or set its defaults
description	Interface specific description
<i>desc_line</i>	Up to 255 characters describing this interface

Command Mode

- /exec/configure/if-vlan-common

description

```
{ [ no ] description <line> | no description }
```

Syntax Description

description	Provide a description for this POSTCARD queue_profile
<i>line</i>	queue_profile description string (63 characters maximum)

Command Mode

- /exec/configure/config-postcard-q-prof

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this POSTCARD flow-profile
<i>line</i>	flow-profile description string (63 characters maximum)

Command Mode

- /exec/configure/config-postcard-flow-prof

description

description <line> | no description

Syntax Description

no	Negate a command or set its defaults
description	Add a description for the role
<i>line</i>	Enter the description string(can include spaces)

Command Mode

- /exec/configure/role

description

description <desc_line> | no description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-eth-port-channel /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-ethernet-p2p /exec/configure/if-ether-sub-p2p /exec/configure/if-loopback /exec/configure/if-ethernet-all /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel-range

description

description <desc_line> | no description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-mgmt-ether

description

description <desc_line> | no description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-nve

description

description <desc_line> | no description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-vni/

description

description <desc_line> | no description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
description	Enter description of maximum 80 characters
<i>desc_line</i>	Description of maximum 80 characters

Command Mode

- /exec/configure/if-overlay /exec/configure/if-te

description

[no] description [<desc>] | description <desc>

Syntax Description

no	Negate a command or set its defaults
description	Group description
<i>desc</i>	(Optional) Up to 80 characters describing this group

Command Mode

- /exec/configure/if-eth-any/vrrpv3

description

[no] description [<desc>] | description <desc>

Syntax Description

no	Negate a command or set its defaults
description	Pathway description
<i>desc</i>	(Optional) Up to 80 characters describing this pathway

Command Mode

- /exec/configure/if-eth-any/vrrs

description

{ description <line> } | { no description }

Syntax Description

no	Negate a command or set its defaults
description	Description of the VRF
<i>line</i>	VRF description string

Command Mode

- /exec/configure/vrf

description

```
{ [ no ] description <descrip-string> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
description	Provide a description string for the LISP site
<i>descrip-string</i>	Description string

Command Mode

- /exec/configure/lisp-site /exec/configure/vrf/lisp-site

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this collector
<i>line</i>	Collector description string (63 characters maximum)

Command Mode

- /exec/configure/config-buffer-drop-collector

description

{ [no] description <line> | no description }

Syntax Description

description	Provide a description for this buffer-drop Monitor
<i>line</i>	Monitor description string (63 characters maximum)

Command Mode

- /exec/configure/config-buffer-drop-monitor

description

description <describe> | { no } description [<describe>]

Syntax Description

no	Negate a command or set its defaults
description	RPKI cache specific description
<i>describe</i>	Upto 80 characters describing this RPKI cache

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

description

description <describe> | no description

Syntax Description

no	Negate a command or set its defaults
description	Description for the BMP server
<i>describe</i>	Upto 80 characters describing this server

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

description

description <describe> | { no | default } description [<describe>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
description	Neighbor specific description
<i>describe</i>	Upto 80 characters describing this neighbor

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

dest-ipaddr

```
{ dest-ipaddr { <ip-address> | <hostname> | <ipv6-address> } }
```

Syntax Description

dest-ipaddr	Destination ip address
<i>ip-address</i>	IP address, broadcast disallowed
<i>hostname</i>	IP Hostname, broadcast disallowed

Command Mode

- /exec/configure/ip-sla/tcp

dest-ipaddr

```
{ dest-ipaddr { <ip-address> | <hostname> } }
```

Syntax Description

dest-ipaddr	Destination ip address
<i>ip-address</i>	IP address, broadcast disallowed
<i>hostname</i>	IP Hostname, broadcast disallowed

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter

dest-port

{ dest-port <port> }

Syntax Description

dest-port	Destination port
<i>port</i>	udp port number

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp

dest

```
{ dest { { ip { <numeric10> | <numeric11> | unknown } } | { mac <dmac> <dot1qid> [ <intfid> ] } } }
```

Syntax Description

dest	destination node
ip	ip address
<i>numeric10</i>	Ipv4 address of remote host / VTEP
unknown	Peer vtep ip is unknown, Applicable only for channel Nv03
mac	Mac
<i>dmac</i>	Destination mac address
<i>dot1qid</i>	Encapsulation dot1q/bd on which the mac is learnt
<i>intfid</i>	(Optional) Name of the interface for ngoam ping on which dot1q is configured

Command Mode

- /exec/configure/configngoamconnectcheck

destination-group

[no] destination-group <dgrp-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-group	Create destination group
<i>dgrp-id</i>	Identifier

Command Mode

- /exec/configure/telemetry

destination-profile

[no] destination-profile

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Specify the default destination profile

Command Mode

- /exec/configure/telemetry

destination-profile

[no] destination-profile <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
s0	User defined destination profile name

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 alert-group

[no] destination-profile CiscoTAC-1 alert-group { All | Configuration | Diagnostic | EEM | Cisco-TAC | Environmental | Inventory | License | Linecard-Hardware | Supervisor-Hardware | Syslog-group-port | System | Test }

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
alert-group	Add alert group
All	This alert group consists of all of the callhome messages
Cisco-TAC	Events which are meant for Cisco TAC only
Environmental	Power,fan,temperature related events
Inventory	Inventory status events
License	Events related to licensing
Linecard-Hardware	Linecard related events
Supervisor-Hardware	Supervisor related events
Syslog-group-port	Events related to syslog messages filed by port manager
System	Software related events
Test	User generated test events
Configuration	Events related to Configuration
Diagnostic	Events related to Diagnostic
EEM	EEM events

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 email-addr

destination-profile CiscoTAC-1 [index <i0>] email-addr <s0>

Syntax Description

destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
email-addr	Add email addr
<i>s0</i>	Provide email address, example: jdow@xyz.com
index	(Optional) Configure an index(1 to 50) for email-id
<i>i0</i>	(Optional) Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 http

destination-profile CiscoTAC-1 [index <i0>] http <s0>

Syntax Description

destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
http	Add http or https url
s0	Provide http or https url, example1: http://site.com/services/callserv example2: https://site2.com/serv/CALL
index	(Optional) Configure an index(1 to 50) for http url
i0	(Optional) Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 index email-addr

[no] destination-profile CiscoTAC-1 index <i0> email-addr

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
email-addr	Add email addr
index	Delete email-id associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 index http

[no] destination-profile CiscoTAC-1 index <i0> http

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
http	Add http or https url
index	Delete http url associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 transport-method email

[no] destination-profile CiscoTAC-1 transport-method email

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
transport-method	Callhome message sending transport-method
email	email transport-method

Command Mode

- /exec/configure/callhome

destination-profile CiscoTAC-1 transport-method http

[no] destination-profile CiscoTAC-1 transport-method http

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
CiscoTAC-1	Configure destination profile for XML message
transport-method	Callhome message sending transport-method
http	http transport-method

Command Mode

- /exec/configure/callhome

destination-profile alert-group

[no] destination-profile <s0> alert-group { All | Configuration | Diagnostic | EEM | Cisco-TAC | Environmental | Inventory | License | Linecard-Hardware | Supervisor-Hardware | Syslog-group-port | System | Test }

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
s0	User defined destination profile name
alert-group	Add alert group
All	This alert group consists of all of the callhome messages
Cisco-TAC	Events which are meant for Cisco TAC only
Environmental	Power,fan,temperature related events
Inventory	Inventory status events
License	Events related to licensing
Linecard-Hardware	Linecard related events
Supervisor-Hardware	Supervisor related events
Syslog-group-port	Events related to syslog messages filed by port manager
System	Software related events
Test	User generated test events
Configuration	Events related to Configuration
Diagnostic	Events related to Diagnostic
EEM	EEM events

Command Mode

- /exec/configure/callhome

destination-profile email-addr

destination-profile <s0> [index <i0>] email-addr <s1>

Syntax Description

destination-profile	Configure destination profiles
<i>s0</i>	User defined destination profile name
email-addr	Add email addr
<i>s1</i>	Provide email address, example: jdow@xyz.com
index	(Optional) Configure an index(1 to 50) for email-id
<i>i0</i>	(Optional) Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile format

destination-profile <s0> format { full-txt | short-txt | XML }

Syntax Description

destination-profile	Configure destination profiles
<i>s0</i>	User defined destination profile name
format	Callhome message format (default XML)
full-txt	Plain text message format
short-txt	Short text message format
XML	XML message format

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination alert-group

[no] destination-profile full-txt-destination alert-group { All | Configuration | Diagnostic | EEM | Cisco-TAC | Environmental | Inventory | License | Linecard-Hardware | Supervisor-Hardware | Syslog-group-port | System | Test }

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
alert-group	Add alert group
All	This alert group consists of all of the callhome messages
Cisco-TAC	Events which are meant for Cisco TAC only
Environmental	Power,fan,temperature related events
Inventory	Inventory status events
License	Events related to licensing
Linecard-Hardware	Linecard related events
Supervisor-Hardware	Supervisor related events
Syslog-group-port	Events related to syslog messages filed by port manager
System	Software related events
Test	User generated test events
Configuration	Events related to Configuration
Diagnostic	Events related to Diagnostic
EEM	EEM events

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination email-addr

destination-profile full-txt-destination [index <i0>] email-addr <s0>

Syntax Description

destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
email-addr	Add email addr
<i>s0</i>	Provide email address, example: jdow@xyz.com
index	(Optional) Configure an index(1 to 50) for email-id
<i>i0</i>	(Optional) Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination http

destination-profile full-txt-destination [index <i0>] http <s0>

Syntax Description

destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
http	Add http or https url
s0	Provide http or https url, example1: http://site.com/services/callserv example2: https://site2.com/serv/CALL
index	(Optional) Configure an index(1 to 50) for http url
i0	(Optional) Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination index email-addr

[no] destination-profile full-txt-destination index <i0> email-addr

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
email-addr	Add email addr
index	Delete email-id associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination index http

[no] destination-profile full-txt-destination index <i0> http

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
http	Add http or https url
index	Delete http url associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination message-level

[no] destination-profile full-txt-destination message-level <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
message-level	Callhome message level(0-lowest urgency, 9-highest urgency)
<i>i0</i>	

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination message-size

[no] destination-profile full-txt-destination message-size <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
message-size	Configure maximum message size (default 2500000)
<i>i0</i>	Provide maximum possible message size

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination transport-method http

[no] destination-profile full-txt-destination transport-method http

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
transport-method	Callhome message sending transport-method
http	http transport-method

Command Mode

- /exec/configure/callhome

destination-profile full-txt-destination transport-method email

[no] destination-profile full-txt-destination transport-method email

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
full-txt-destination	Configure destination profile for plain txt message
transport-method	Callhome message sending transport-method
email	email transport-method

Command Mode

- /exec/configure/callhome

destination-profile http

```
destination-profile <s4> [ index <i0> ] { http <s2> }
```

Syntax Description

destination-profile	Configure destination profiles
<i>s4</i>	User defined destination profile name
http	Add http or https url
<i>s2</i>	Provide http or https url, example1: http://site.com/services/callserv example2: https://site2.com/serv/CALL
index	(Optional) Configure an index(1 to 50) for http url
<i>i0</i>	(Optional) Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile index email-addr

[no] destination-profile <s0> index <i0> email-addr | no destination-profile <s0> email-addr

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
s0	User defined destination profile name
email-addr	Add email addr
index	Delete email-id associated with index(1 to 50)
i0	Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile index http

[no] destination-profile <s4> index <i0> http | no destination-profile <s4> http

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
<i>s4</i>	User defined destination profile name
http	Add http or https url
index	Delete http url associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile message-level

[no] destination-profile <s0> message-level <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
s0	User defined destination profile name
message-level	Callhome message level(0-lowest urgency, 9-highest urgency)
i0	

Command Mode

- /exec/configure/callhome

destination-profile message-size

[no] destination-profile <s0> message-size <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
s0	User defined destination profile name
message-size	Configure maximum message size (default 2500000)
i0	Provide maximum possible message size

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination alert-group

[no] destination-profile short-txt-destination alert-group { All | Configuration | Diagnostic | EEM | Cisco-TAC | Environmental | Inventory | License | Linecard-Hardware | Supervisor-Hardware | Syslog-group-port | System | Test }

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
alert-group	Add alert group
All	This alert group consists of all of the callhome messages
Cisco-TAC	Events which are meant for Cisco TAC only
Environmental	Power,fan,temperature related events
Inventory	Inventory status events
License	Events related to licensing
Linecard-Hardware	Linecard related events
Supervisor-Hardware	Supervisor related events
Syslog-group-port	Events related to syslog messages filed by port manager
System	Software related events
Test	User generated test events
Configuration	Events related to Configuration
Diagnostic	Events related to Diagnostic
EEM	EEM events

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination email-addr

destination-profile short-txt-destination [index <i0>] email-addr <s0>

Syntax Description

destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
email-addr	Add email addr
<i>s0</i>	Provide email address, example: jdow@xyz.com
index	(Optional) Configure an index(1 to 50) for email-id
<i>i0</i>	(Optional) Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination http

destination-profile short-txt-destination [index <i0>] http <s0>

Syntax Description

destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
http	Add http or https url
s0	Provide http or https url, example1: http://site.com/services/callserv example2: https://site2.com/serv/CALL
index	(Optional) Configure an index(1 to 50) for http url
i0	(Optional) Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination index email-addr

[no] destination-profile short-txt-destination index <i0> email-addr

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
email-addr	Add email addr
index	Delete email-id associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with email-id

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination index http

[no] destination-profile short-txt-destination index <i0> http

Syntax Description

no	Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
http	Add http or https url
index	Delete http url associated with index(1 to 50)
<i>i0</i>	Index between 1 to 50 associate with http url

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination message-level

[no] destination-profile short-txt-destination message-level <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
message-level	Callhome message level(0-lowest urgency, 9-highest urgency)
<i>i0</i>	

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination message-size

[no] destination-profile short-txt-destination message-size <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
message-size	Configure maximum message size (default 4000)
<i>i0</i>	

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination transport-method email

[no] destination-profile short-txt-destination transport-method email

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
transport-method	Callhome message sending transport-method
email	email transport-method

Command Mode

- /exec/configure/callhome

destination-profile short-txt-destination transport-method http

[no] destination-profile short-txt-destination transport-method http

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
short-txt-destination	Configure destination profile for short txt message
transport-method	Callhome message sending transport-method
http	http transport-method

Command Mode

- /exec/configure/callhome

destination-profile transport-method email

[no] destination-profile <s5> transport-method email

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
s5	User defined destination profile name
transport-method	Callhome message sending transport-method
email	email transport-method

Command Mode

- /exec/configure/callhome

destination-profile transport-method http

[no] destination-profile <s6> transport-method http

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-profile	Configure destination profiles
s6	User defined destination profile name
transport-method	Callhome message sending transport-method
http	http transport-method

Command Mode

- /exec/configure/callhome

destination-sup interface

[no] destination-sup interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination-sup	Destination configuration
interface	Configure interfaces
<i>interface</i>	

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

destination

```
{ [ no ] destination { <ipaddr> } [ use-vrf { <vrf_name> | <vrf-known-name> } ] | no destination }
```

Syntax Description

destination	Specify the destination address
<i>ipaddr</i>	Destination IP address for collector
use-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf_name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure/config-postcard-exporter

destination

```
{ [ no ] destination { <ipaddr> } [ use-vrf { <vrf_name> | <vrf-known-name> } ] | no destination }
```

Syntax Description

<code>destination</code>	Specify the destination address
<code>ipaddr</code>	Destination IP address for collector
<code>use-vrf</code>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<code>vrf_name</code>	(Optional) VRF name
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec/configure/config-int-exporter

destination

```
{ [ no ] destination { <ipaddr> | <ipv6addr> } [ use-vrf { <vrf_name> | <vrf-known-name> } ] | no destination }
```

Syntax Description

<code>destination</code>	Specify the destination address
<code>ipaddr</code>	Destination IP address for collector
<code>use-vrf</code>	(Optional) Optional VRF label
<code>vrf_name</code>	(Optional) VRF name
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec/configure/config-fte-exporter

destination

```
{ [ no ] destination { <ipaddr> | <ipv6addr> } [ use-vrf { <vrf_name> | <vrf-known-name> } ] | no destination }
```

Syntax Description

<code>destination</code>	Specify the destination address
<code>ipaddr</code>	Destination IP address for collector
<code>use-vrf</code>	(Optional) Optional VRF label
<code>vrf_name</code>	(Optional) VRF name
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec/configure/nfm-exporter

destination

```
{ [ no ] destination { <ipaddr> | <ipv6addr> } [ use-vrf { <vrf-name> | <vrf-known-name> } ] [ v9 ] | no destination }
```

Syntax Description

destination	Specify the destination address
<i>ipaddr</i>	Destination IP address for collector
use-vrf	(Optional) Optional VRF label
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
v9	(Optional) Send records in V9 format

Command Mode

- /exec/configure/analytics/exporter

destination

```
{ [ no ] destination { <ipaddr> | <ipv6addr> } [ use-vrf { <vrf-name> | <vrf-known-name> } ] [ v9 ] | no destination }
```

Syntax Description

destination	Specify the destination address
<i>ipaddr</i>	Destination IP address for collector
use-vrf	(Optional) Optional VRF label
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
v9	(Optional) Send records in V9 format

Command Mode

- /exec/configure/nfm-exporter

destination any

[no] destination any

Syntax Description

no	(Optional) Negate a command or set its defaults
destination	destination address
any	Any destination IP

Command Mode

- /exec/configure/tunnel-profile

destination group

[no] destination group <group_number>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination	Destination configuration
group	Configure destination group
<i>group_number</i>	

Command Mode

- /exec/configure/monitor-local-dst

destination inband-interface

[no] destination inband-interface

Syntax Description

destination	Specify the destination address
inband-interface	Use CPU as the destination

Command Mode

- /exec/configure/analytics/exporter

destination inband-interface

[no] destination inband-interface

Syntax Description

destination	Destination configuration
inband-interface	Use CPU as the destination

Command Mode

- /exec/configure/config-ssx-exporter

destination inband-interface

[no] destination inband-interface

Syntax Description

destination	Specify the destination address
inband-interface	Use CPU as the destination

Command Mode

- /exec/configure/nfm-exporter

destination interface

[no] destination interface <interface_range>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination	Destination configuration
interface	Configure interfaces
<i>interface_range</i>	

Command Mode

- /exec/configure/monitor-local-dst

destination ip

[no] destination ip <ipaddress>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination	Destination configuration
ip	Configure remote IP address
<i>ipaddress</i>	

Command Mode

- /exec/configure/config-monitor-erspan-src

destination ipv4

```
{ [ no ] destination ipv4 <ipaddr> }
```

Syntax Description

<code>destination</code>	Destination configuration
<code>ipv4</code>	IP v4 address
<code>ipaddr</code>	IP Address to be configured

Command Mode

- /exec/configure/config-int-clone-md-sink-collector

destination ipv6

```
{ [ no ] destination { <ipaddr> | ipv6 <ipv6addr> } } [ use-vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

destination	Destination configuration
<i>ipaddr</i>	IP Address to be configured
ipv6	IPv6
use-vrf	(Optional) VRF label
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure/config-ssx-exporter

destination ipv6

[no] destination ipv6 <ipv6-address>

Syntax Description

no	(Optional) Negate a command or set its defaults
destination	Destination configuration
ipv6	Configure remote IPv6 address
<i>ipv6-address</i>	

Command Mode

- /exec/configure/config-monitor-erspan-src

destination sup-eth0

{ [no] destination sup-eth0 | no destination }

Syntax Description

destination	Specify the collector destination
sup-eth0	Inband to SUP

Command Mode

- /exec/configure/config-buffer-drop-collector

destination sup-eth0

{ [no] destination sup-eth0 | no destination }

Syntax Description

destination	Specify the collector destination
sup-eth0	Inband to SUP

Command Mode

- /exec/configure/config-buffer-latency-collector

destination sup-eth0

{ [no] destination sup-eth0 | no destination }

Syntax Description

destination	Specify the collector destination
sup-eth0	Inband to SUP

Command Mode

- /exec/configure/config-int-clone-md-sink-collector

device-alias abort

[no] device-alias abort

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
abort	Abort the device-alias configuration

Command Mode

- /exec/configure

device-alias commit

[no] device-alias commit

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
commit	Commit the device-alias configuration

Command Mode

- /exec/configure

device-alias confirm-commit enable

[no] device-alias confirm-commit enable

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
confirm-commit	Confirm the commit for device-alias
enable	Enable the confirm-commit mode

Command Mode

- /exec/configure

device-alias database

[no] device-alias database

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
database	Device-alias database configuration commands

Command Mode

- /exec/configure

device-alias distribute

[no] device-alias distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
distribute	Enable device-alias configuration distribution

Command Mode

- /exec/configure

device-alias import fcalias vsan

[no] device-alias import fcalias vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
import	Import configuration
fcalias	Import fcalias definitions
vsan	Import fcalias definitions from the specified VSAN range
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

device-alias mode enhanced

[no] device-alias mode enhanced

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
mode	Configure device-alias mode
enhanced	Configure device-alias enhanced mode

Command Mode

- /exec/configure

device-alias name

[no] device-alias name <s0>

Syntax Description

no	Negate a command or set its defaults
device-alias	Device-alias configuration commands
name	Configure a device-alias
s0	Enter the device-alias

Command Mode

- /exec/configure/device-alias-db

device-alias name pwwn

device-alias name <s0> pwwn <wwn0> [force]

Syntax Description

device-alias	Device-alias configuration commands
name	Configure a device-alias
<i>s0</i>	Enter the device-alias
pwwn	Configure a device-alias for port WWN
<i>wwn0</i>	Enter port WWN
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/device-alias-db

device-alias rename

[no] device-alias rename <s0> <s1>

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device-alias configuration commands
rename	Rename a device-alias
<i>s0</i>	Enter the current device-alias name
<i>s1</i>	Enter the new device-alias name

Command Mode

- /exec/configure/device-alias-db

device-alias vsan

[no] device-alias <s0> vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
device-alias	Device name
<i>s0</i>	Enter device alias name
vsan	VSAN id for device
<i>i0</i>	vsan id

Command Mode

- /exec/configure/dpvm-db

device-group

{ device-group <name> } | { no device-group <name> }

Syntax Description

no	Negate a command or set its defaults
device-group	ITD device group
<i>name</i>	ITD device group name

Command Mode

- /exec/configure/itd

device-role

[no] device-role <dev_role>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>dev_role</i>	

Command Mode

- /exec/configure/config-snoop-policy

device-role

[no] device-role <devrole>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>devrole</i>	

Command Mode

- /exec/configure/config-dhcp-guard

device-role

[no] device-role <dev_role>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>dev_role</i>	

Command Mode

- /exec/configure/config-ra-guard

df-election time

df-election time <sec> | no df-election time

Syntax Description

no	Negate a command or set its defaults
df-election	DF election parameters
time	DF election timer
<i>sec</i>	Seconds in decimal format in range 1.0-3.0

Command Mode

- /exec/configure/config-evpn-msite-bgw

dfe-tuning-delay

```
{ dfe-tuning-delay <delay-val> | no dfe-tuning-delay [ <delay-val> ] }
```

Syntax Description

no	Negate a command or set its defaults
dfe-tuning-delay	Configure DFE Tuning delay for interface
<i>delay-val</i>	DFE tuning delay value (ms)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

diagnostic bootup level

diagnostic bootup level { bypass | complete | minimal }

Syntax Description

diagnostic	Diagnostic commands
bootup	Configure Diagnostic for bootup
level	Select diagnostic level
bypass	Skip all bootup test
complete	Complete level
minimal	Minimal level - no MacsecLoopBackTest

Command Mode

- /exec/configure

diagnostic bootup level

[no] diagnostic bootup level

Syntax Description

no	Negate a command or set its defaults
diagnostic	Diagnostic commands
bootup	Configure Diagnostic for bootup
level	Select diagnostic level

Command Mode

- /exec/configure

diagnostic clear result module all diagnostic clear result module test

diagnostic clear result module all | diagnostic clear result module <module> test { <test-id> | all }

Syntax Description

diagnostic	Diagnostic commands
clear	Erase Diagnostic Test Results/Stats
result	Diagnostic test result
module	Module keyword
<i>module</i>	Module number
all	Select all
test	Diagnostic test selection
<i>test-id</i>	

Command Mode

- /exec

diagnostic monitor interval module test all hour min second

diagnostic monitor interval module <module> test { all | <name> | <test-id> } hour <hour-cntr> min <min-cntr> second <sec-cntr> | no diagnostic monitor interval module <module> test { all | <name> | <test-id> }

Syntax Description

no	Negate a command or set its defaults
diagnostic	Diagnostic commands
monitor	Configure diagnostic monitoring test
interval	Configure diagnostic monitoring tests interval
module	Module Keyword
<i>module</i>	Module number
test	Diagnostic test selection
all	Select all test ID
<i>test-id</i>	
<i>name</i>	Test name
hour	Hour of the day
<i>hour-cntr</i>	Interval in hours
min	Minute of an hour
<i>min-cntr</i>	Interval in minutes
second	Second of a minute
<i>sec-cntr</i>	Interval in seconds

Command Mode

- /exec/configure

diagnostic monitor module test all

diagnostic monitor module <module> test { all | <name> | <test-id> } | no diagnostic monitor module <module>
test { all | <name> | <test-id> }

Syntax Description

no	Negate a command or set its defaults
diagnostic	Diagnostic commands
monitor	Configure diagnostic monitoring test
module	Module Keyword
<i>module</i>	Module number
test	Diagnostic test selection
all	Select all test ID
<i>test-id</i>	
<i>name</i>	Test name

Command Mode

- /exec/configure

diagnostic monitor syslog

[no] diagnostic monitor syslog

Syntax Description

no	(Optional) Negate a command or set its defaults
diagnostic	Diagnostic command
monitor	Configure diagnostic monitoring for syslog
syslog	Diag test failure syslog

Command Mode

- /exec/configure

diagnostic ondemand action-on-failure continue failure-count diagnostic ondemand action-on-failure stop

diagnostic ondemand action-on-failure continue failure-count <failure-cnt> | diagnostic ondemand
action-on-failure stop

Syntax Description

diagnostic	Diagnostic commands
ondemand	On demand diagnostic setting
action-on-failure	Set action to take if test fails
continue	Continue ondemand test until test failure limit is reached
failure-count	Continue failing tests this many times
stop	Stop ondemand tests immediately if a test fails
<i>failure-cnt</i>	Maximum number of test failures allowed

Command Mode

- /exec

diagnostic ondemand iteration

diagnostic ondemand iteration <iteration-count>

Syntax Description

diagnostic	Diagnostic commands
ondemand	On demand diagnostic setting
iteration	Set number of times to repeat ondemand test list
<i>iteration-count</i>	Number of times to repeat ondemand test list

Command Mode

- /exec

diagnostic ondemand test-parameter module test port_lb packet-length

diagnostic ondemand test-parameter module <module> test port_lb packet-length <size>

Syntax Description

diagnostic	Diagnostic commands
ondemand	Ondemand command
test-parameter	Set test parameter
module	Module keyword
<i>module</i>	Module number
test	Diagnostic test selection
port_lb	Port loop back test
packet-length	Size of the packet
<i>size</i>	Packet size for the selected module

Command Mode

- /exec

diagnostic start module test

```
diagnostic start module <module> test { all | <name> | <test-id> | non-disruptive | per-port } [ port { iall | <port-id> } ]
```

Syntax Description

diagnostic	Diagnostic commands
start	Starting on demand diagnostic
module	Module keyword
<i>module</i>	Module Number
test	Diagnostic test selection
all	Select all test ID
<i>name</i>	Test name
<i>test-id</i>	
non-disruptive	Select the Non-Disruptive test suite [Attribute = N]
per-port	Select the Per-Port test suite [Attribute = P]
port	(Optional) Interface port selection
iall	(Optional) Select all ports
<i>port-id</i>	(Optional)

Command Mode

- /exec

diagnostic stop module test all

diagnostic stop module <module> test { all | <name> | <test-id> }

Syntax Description

diagnostic	Diagnostic commands
stop	Stopping diagnostic
module	Module keyword
<i>module</i>	Module Number
test	Diagnostic test selection
all	Select all test ID
<i>test-id</i>	
<i>name</i>	Test name

Command Mode

- /exec

diagnostic test simulation module test diagnostic test simulation module test clear

```
diagnostic test simulation module <module> test <test-id> [ port { <port-id> | all } ] { success | fail | random-fail } | diagnostic test simulation module <module> test <test-id> clear
```

Syntax Description

diagnostic	Diagnostic commands
test	Diagnostic test selection
simulation	Simulating Diagnostic result
module	Module keyword
<i>module</i>	Module Number
test	Diagnostic test selection
<i>test-id</i>	
port	(Optional) Interface port selection
all	(Optional) Select all ports
<i>port-id</i>	(Optional)
success	pass test result
fail	fail test result
random-fail	fail test result randomly
clear	Stop simulation

Command Mode

- /exec

dialin-stream

[no] dialin-stream

Syntax Description

no	(Optional) Negate a command or set its defaults
dialin-stream	Enable gRPC dialin stream

Command Mode

- /exec/configure/telemetry/destination-group/host

diff-clean

diff-clean [all-sessions]

Syntax Description

diff-clean	remove temp files created by ' diff' filters
all-sessions	(Optional) remove ' diff' temp files from all sessions (past and present!) of current user

Command Mode

- /exec

diff-clean all-users

diff-clean all-users

Syntax Description

diff-clean	remove temp files created by ' diff' filters
all-users	remove ' diff' temp files from all sessions (past and present!) of all users

Command Mode

- /exec

diff

| diff [again | echo | -c [<lines>] | -b | -B | -i | -I <regexp> | -y | --left-column | -W <columns> | -q | -s] +

Syntax Description

	Pipe command output to filter
diff	show difference between current and previous invocation (creates temp files: remove them with 'diff-clean' command and dont use it on commands with big outputs, like 'show tech!')
again	(Optional) dont create new file: use old ones, just change display options or add more filters
echo	(Optional) echo the current file (only effective if no old file)
-c	(Optional) set number of lines of context (default 3)
<i>lines</i>	(Optional) number of lines of context
-b	(Optional) Ignore changes in amount of white space
-B	(Optional) Ignore changes that just insert or delete blank lines
-i	(Optional) Ignore changes in case
-I	(Optional) Ignore changes that just insert or delete lines that match regexp
<i>regexp</i>	(Optional) regexp of lines to ignore
-y	(Optional) Use the side by side output format
--left-column	(Optional) Print only the left column of two common lines in side by side format
-W	(Optional) Use an output width of <columns> in side by side format
<i>columns</i>	(Optional) Use an output width of <columns> in side by side format
-q	(Optional) Report only whether the files differ, not the details of the differences
-s	(Optional) Report when two files are the same

Command Mode

- /output

dir

```
dir [ <uri0> | <uri1> | <uri2> ] [ __readonly__ { TABLE_dir <fsize> <timestring> <fname> } { <usage>
<bytesused> <bytesfree> <bytestotal> } ]
```

Syntax Description

<code>dir</code>	list files in a directory
<code>uri0</code>	(Optional) Directory or filename
<code>uri1</code>	(Optional) Directory or filename on expansion flash
<code>uri2</code>	(Optional) Directory or filename on log flash
<code>__readonly__</code>	(Optional) Read Only
<code>TABLE_dir</code>	(Optional) show dir
<code>fsize</code>	(Optional) filesize
<code>timestring</code>	(Optional) time string
<code>fname</code>	(Optional) filename
<code>usage</code>	(Optional) usage
<code>bytesused</code>	(Optional) bytes used
<code>bytesfree</code>	(Optional) bytes free
<code>bytestotal</code>	(Optional) bytes total

Command Mode

- /exec

disable-connected-check

[no | default] disable-connected-check

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
disable-connected-check	Disable check for directly connected peer

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

disable-fka

[no] disable-fka

Syntax Description

no	(Optional) Negate a command or set its defaults
disable-fka	Disables verifying FIP Keep Alives

Command Mode

- /exec/configure/if-vfc

disable-peer-as-check

[no | default] disable-peer-as-check

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
disable-peer-as-check	Disable checking of peer AS-number while advertising

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

disable-policy-batching

[no] disable-policy-batching [nexthop | { { ipv4 | ipv6 } prefix-list <prfxlist-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
disable-policy-batching	Disable batching evaluation of outbound policy for a peer
nexthop	(Optional) batching based on nexthop
ipv4	(Optional) IPv4 address-family
ipv6	(Optional) IPv6 address-family
prefix-list	(Optional) Apply prefix-list
<i>prfxlist-name</i>	(Optional) Name of prefix-list

Command Mode

- /exec/configure/router-bgp

disable-smart-zoning

[no] disable-smart-zoning

Syntax Description

no	(Optional) Negate a command or set its defaults
disable-smart-zoning	Set to disable smart zoning for the zone

Command Mode

- /exec/configure/attribute-group

disable vlan

[no] disable { vlan <vlan-range> } [port <port-range>]

Syntax Description

no	(Optional) Negate a command or set its defaults
vlan	Disable detection on VLAN
<i>vlan-range</i>	vlan range max span 1024, Example: 2000-3000,400,500
port	(Optional) Disable detection on port
<i>port-range</i>	(Optional) Disable interface for loop detection
disable	Disable port-vlan

Command Mode

- /exec/configure/configngoamloopdetection

discard-route external

[no] discard-route { external | internal }

Syntax Description

no	(Optional) Negate a command or set its defaults
discard-route	Install discard route
external	External route
internal	Internal route

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

discard-route external

[no] discard-route { external | internal }

Syntax Description

no	(Optional) Negate a command or set its defaults
discard-route	Install discard route
external	External route
internal	Internal route

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

disjoint

[no] disjoint

Syntax Description

no	(Optional) Negate a command or set its defaults
disjoint	Configure disjointness association type

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/assoc

disjoint

[no] disjoint

Syntax Description

no	(Optional) Negate a command or set its defaults
disjoint	Configure disjointness association type

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/assoc

distance

```
{ { distance <int-distance> <ext-distance> } | { no distance [ <int-distance> <ext-distance> ] } }
```

Syntax Description

no	Negate a command or set its defaults
distance	Define an administrative distance
<i>int-distance</i>	Distance for internal routes
<i>ext-distance</i>	Distance for external routes

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

distance

distance <distance> | no distance [<distance>]

Syntax Description

no	Negate a command or set its defaults
distance	RIP administrative distance
<i>distance</i>	RIP administrative distance

Command Mode

- /exec/configure/router-rip/router-rip-af-common /exec/configure/router-rip/router-rip-vrf-af-common

distance

distance <admin-dist> | no distance [<admin-dist>]

Syntax Description

no	Negate a command or set its defaults
distance	Administrative distance
<i>admin-dist</i>	Distance value

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

distance

distance <admin-dist> | no distance [<admin-dist>]

Syntax Description

no	Negate a command or set its defaults
distance	OSPFv3 administrative distance
<i>admin-dist</i>	administrative distance value

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

distance

distance <admin-dist> | no distance [<admin-dist>]

Syntax Description

no	Negate a command or set its defaults
distance	OSPF administrative distance
<i>admin-dist</i>	administrative distance value

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

distance

distance <ebgp-dist> <ibgp-dist> <local-dist> | no distance [<ebgp-dist> <ibgp-dist> <local-dist>]

Syntax Description

no	Negate a command or set its defaults
distance	Configure administrative distance
<i>ebgp-dist</i>	Distance for EBGp routes
<i>ibgp-dist</i>	Distance for IBGP routes
<i>local-dist</i>	Distance for local routes

Command Mode

- /exec/configure/router-bgp/router-bgp-af

distribute into route-map all

```
{ { distribute <src-level> into <dst-level> { { route-map { <map-name> | <rtr_pol_name> } } | all } } | { no
distribute <src-level> into <dst-level> [ { route-map { <map-name> | <rtr_pol_name> } } | all ] } }
```

Syntax Description

no	Negate a command or set its defaults
distribute	Distribute routes between ISIS levels
<i>src-level</i>	Route-distribution between levels
<i>dst-level</i>	Route-distribution between levels
route-map	Route Map to constrain distribution
into	from level-n into level-m
<i>map-name</i>	A 'routing-rules' route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy
all	Distribute all level-n routes

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4 /exec/configure/router-isis/router-isis-af-ipv6

distribute link-state

[no] distribute link-state [instance-id <instid>] [level <level>] [throttle <seconds>]

Syntax Description

no	(Optional) Negate a command or set its defaults
distribute	Distribute routes between ISIS levels
link-state	Distribute link-state
instance-id	(Optional) Instance ID of ISIS process
<i>instid</i>	(Optional) Instance ID of ISIS process
level	(Optional) Level to be distributed
<i>level</i>	(Optional) IS-IS level
throttle	(Optional) Throttle timer in seconds
<i>seconds</i>	(Optional) Throttle timer in seconds

Command Mode

- /exec/configure/router-isis

dlb-interface

dlb-interface <interface_range> | no dlb-interface

Syntax Description

no	Negate a command or set its defaults
dlb-interface	Interface(s) for which DLB needs to be enabled
<i>interface_range</i>	

Command Mode

- /exec/configure/dyn-loadbalancing

dmz-link-bandwidth

[no | default] dmz-link-bandwidth

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
dmz-link-bandwidth	Read bandwidth of the link towards this neighbor and attach dmz-link-bandwidth extended community to paths received from it

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6

dns

```
[no] dns { <WORD> } { name-server { <hostname> | <ip-address> } } { [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] } +
```

Syntax Description

<i>source-ip</i>	(Optional) <source-ip-hostname>
<i>source-port</i>	(Optional) <src-port>
no	(Optional)
dns	DNS Operation
<i>WORD</i>	Target IP Address or Hostname
name-server	Name Server
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
<i>src-port</i>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

domain-id

domain-id { <id> | { type <dtype> value <dvalue> } | Null } | no domain-id [<id> | { type <dtype> value <dvalue> } | Null]

Syntax Description

no	Negate a command or set its defaults
domain-id	OSPF domain-ID
<i>id</i>	OSPF domain ID in IP address format
type	OSPF domain ID type in Hex format
<i>dtype</i>	OSPF domain ID type in Hex format
value	OSPF domain ID ext. community value in Hex
<i>dvalue</i>	
Null	Null Domain-ID

Command Mode

- /exec/configure/router-ospf/vrf

domain-id secondary

domain-id { <id> | { type <dtype> value <dvalue> } | Null } secondary | no domain-id [<id> | { type <dtype> value <dvalue> } | Null] secondary

Syntax Description

no	Negate a command or set its defaults
domain-id	OSPF domain-ID
<i>id</i>	OSPF domain ID in IP address format
type	OSPF domain ID type in Hex format
<i>dtype</i>	OSPF domain ID type in Hex format
value	OSPF domain ID ext. community value in Hex
<i>dvalue</i>	
Null	Null Domain-ID
secondary	Secondary Domain-ID

Command Mode

- /exec/configure/router-ospf/vrf

domain-tag

[no] domain-tag <as-number>

Syntax Description

no	(Optional) Negate a command or set its defaults
domain-tag	Set OSPF process domain-tag
<i>as-number</i>	AS number

Command Mode

- /exec/configure/router-ospf/vrf

dont-capability-negotiate

[no | default] dont-capability-negotiate

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
dont-capability-negotiate	Don't negotiate capability with this neighbor

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

dos2nxos

dos2nxos <uri0>

Syntax Description

dos2nxos	DOS to NXOS text file format converter
<i>uri0</i>	Filename to be displayed

Command Mode

- /exec

dot1q

{ dot1q <dot1q-id> [<intf-id>] } | { no dot1q }

Syntax Description

no	Negate a command or set its defaults
dot1q	Encapsulation dot1q/bd
<i>dot1q-id</i>	Encapsulation dot1q/bd value
<i>intf-id</i>	(Optional) Name of the interface for ngoam on which dot1q is configured

Command Mode

- /exec/configure/configngoamprofile

dot1q

```
{ dot1q <vlan-id> [ cos <cos-val> ] } | { no dot1q }
```

Syntax Description

no	Negate a command or set its defaults
dot1q	specify flow profile to include dot1q tag
<i>vlan-id</i>	specify flow profile vlan-id
cos	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>cos-val</i>	(Optional) class of service value

Command Mode

- /exec/configure/configngoamprofileflow

dot1q default dynamic

{ dot1q default dynamic } | { no dot1q default }

Syntax Description

no	Negate a command or set its defaults
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
default	Default (wildcard). Match any dot1q when there is no specific dot1q mapping configured

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

dot1x authentication event server dead action authorize

[no] dot1x authentication event server dead action authorize

Syntax Description

dot1x	dot1x configuration commands
authentication	Dot1x Authentication
event	Event Type
server	Some Server
dead	Server is Unreachable
action	Action Type
authorize	Authorize all clients

Command Mode

- /exec/configure

dot1x authentication order

[no] dot1x authentication order <auth_order>

Syntax Description

dot1x	dot1x configuration commands
authentication	Authentication type
order	specifying the authentication order
<i>auth_order</i>	Authentication orders

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x default

dot1x default

Syntax Description

dot1x	dot1x configuration commands
-------	------------------------------

Command Mode

- /exec/configure

dot1x default

dot1x default

Syntax Description

dot1x	dot1x configuration commands
-------	------------------------------

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x host-mode

dot1x host-mode <host_mode> | no dot1x host-mode

Syntax Description

dot1x	dot1x configuration commands
host-mode	role of 802.1x authenticating entity
<i>host_mode</i>	Host Mode

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x initialize

{ dot1x initialize } | { dot1x initialize interface <if> }

Syntax Description

dot1x	dot1x configuration commands
initialize	Initialize State Machines for a given Interface
<i>if</i>	target interface

Command Mode

- /exec

dot1x mac-auth-bypass

dot1x mac-auth-bypass [eap] | no dot1x mac-auth-bypass

Syntax Description

no	Negate a command or set its defaults
dot1x	dot1x configuration commands
mac-auth-bypass	Configure Mac-Auth-Bypass
eap	(Optional) EAP Authentication

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x mac-move

dot1x mac-move <value> | no dot1x mac-move <value>

Syntax Description

dot1x	dot1x configuration commands
mac-move	Enable or Disable Mac-moves
<i>value</i>	Mac Move

Command Mode

- /exec/configure

dot1x max-reauth-req

dot1x max-reauth-req <count> | no dot1x max-reauth-req

Syntax Description

dot1x	dot1x configuration commands
max-reauth-req	Maximum Re-authentication Attempts Before Failing
<i>count</i>	number of retries

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x max-req

dot1x max-req <count> | no dot1x max-req

Syntax Description

dot1x	dot1x configuration commands
max-req	Maximum Retries to Initiate Authentication
<i>count</i>	number of retries

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x pae

[no] dot1x pae <pae-value>

Syntax Description

dot1x	dot1x configuration commands
pae	role of 802.1x authenticating entity
<i>pae-value</i>	role

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x port-control

[no] dot1x port-control <port-control-value>

Syntax Description

dot1x	dot1x configuration commands
port-control	port control
<i>port-control-value</i>	set the port-control value

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x radius-accounting

[no] dot1x radius-accounting

Syntax Description

dot1x	dot1x configuration commands
radius-accounting	accounting messages to RADIUS

Command Mode

- /exec/configure

dot1x re-authenticate interface

dot1x re-authenticate interface <if>

Syntax Description

dot1x	dot1x configuration commands
re-authenticate	Manually re-authenticate an Interface
<i>if</i>	target interface

Command Mode

- /exec

dot1x re-authentication

[no] dot1x re-authentication

Syntax Description

dot1x	dot1x configuration commands
re-authentication	Enable or Disable Reauthentication for this port

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x show credential

dot1x show credential <name>

Syntax Description

dot1x	dot1x configuration commands
credential	supplicant credential profile
<i>name</i>	profile name

Command Mode

- /exec/configure/dot1x-cred

dot1x supplicant eap profile

[no] dot1x supplicant eap profile <name>

Syntax Description

dot1x	dot1x configuration commands
supplicant	802.1x supplicant
eap	Profile type eap
profile	EAP profile config
<i>name</i>	EAP Profile name

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x system-auth-control

[no] dot1x system-auth-control

Syntax Description

dot1x	dot1x configuration commands
system-auth-control	Enable or Disable SysAuthControl

Command Mode

- /exec/configure

dot1x timeout inactivity-period

dot1x timeout inactivity-period <value> | no dot1x timeout inactivity-period

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
inactivity-period	Timeout For Session Inactivity
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x timeout quiet-period

dot1x timeout quiet-period <value> | no dot1x timeout quiet-period

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
quiet-period	Timeout For Retrying Authentication After Failed Authentication
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x timeout ratelimit-period

dot1x timeout ratelimit-period <value> | no dot1x timeout ratelimit-period

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
ratelimit-period	Rate Limit period for EAPOL-Start
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x timeout re-authperiod

dot1x timeout re-authperiod <value> | no dot1x timeout re-authperiod

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
re-authperiod	Timeout For Re-Authentication
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x timeout server-timeout

dot1x timeout server-timeout <value> | no dot1x timeout server-timeout

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
server-timeout	Timeout for Radius Retries
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x timeout supp-timeout

dot1x timeout supp-timeout <value> | no dot1x timeout supp-timeout

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
supp-timeout	Timeout for Supplicant retries
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

dot1x timeout tx-period

dot1x timeout tx-period <value> | no dot1x timeout tx-period

Syntax Description

dot1x	dot1x configuration commands
timeout	Various Timeouts
tx-period	Timeout For Resending Requests To Supplicant
<i>value</i>	time interval in seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

down-bit-ignore

{ down-bit-ignore } | { no down-bit-ignore }

Syntax Description

no	Negate a command or set its defaults
down-bit-ignore	Configure a PE router to ignore the DN bit for network summary, external and NSSA external LSA

Command Mode

- /exec/configure/router-ospf/vrf

downlink delay

downlink delay <ena-dis-flg> [timeout <time-out>] | no downlink delay

Syntax Description

no	Negate a command or set its defaults
downlink	Change downlink linkup time
delay	delay bringup of downlinks
<i>ena-dis-flg</i>	Enable/Disable downlink delay feature
timeout	(Optional) downlink ports enable delay in seconds
<i>time-out</i>	(Optional) Time out

Command Mode

- /exec/configure

dpp set-qos-group

[no] dpp set-qos-group <qos-group>

Syntax Description

no	(Optional) Negate a command or set its defaults
dpp	Dynamic Packet Prioritization
set-qos-group	QoS group to be mapped
<i>qos-group</i>	QoS Group Value

Command Mode

- /exec/configure/policy-map/type/uf/class

dpvm abort

[no] dpvm abort

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
abort	Abort pending DPVM DB operations

Command Mode

- /exec/configure

dpvm activate

[no] dpvm activate [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
activate	Activate configured Device VSAN Mappings
force	(Optional) Force activation

Command Mode

- /exec/configure

dpvm auto-learn

[no] dpvm auto-learn

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
auto-learn	Auto Learn Device VSAN Mappings

Command Mode

- /exec/configure

dpvm commit

[no] dpvm commit

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
commit	Commit DPVM DB operations

Command Mode

- /exec/configure

dpvm database

[no] dpvm database

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
database	DPVM database

Command Mode

- /exec/configure

dpvm database copy active

dpvm database copy active

Syntax Description

dpvm	DPVM
database	DPVM database
copy	Copy active to config database
active	Active database to Configured database

Command Mode

- /exec

dpvm database diff

```
dpvm database diff { active [ { config | pending } ] | config1 | pending1 active1 }
```

Syntax Description

dpvm	DPVM
database	DPVM database
diff	Difference in dpvm database
active	Active database wrt Configured database
config	(Optional) Active database wrt Configured database
pending	(Optional) Active database wrt pending database
config1	Configured database wrt Active database
pending1	Pending database wrt Active database
active1	Active database wrt Configured database

Command Mode

- /exec

dpvm distribute

[no] dpvm distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
distribute	Enable DPVM fabric distribution

Command Mode

- /exec/configure

dpvm fip enable

[no] dpvm fip enable <fip_id> <fip_action_id>

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	DPVM configuration command
fip	Fault Injection Point enabling or disabling
enable	Enabling FIP
<i>fip_id</i>	FIP Id
<i>fip_action_id</i>	FIP action ID

Command Mode

- /exec/configure

dpvm overwrite-duplicate-pwwn

[no] dpvm overwrite-duplicate-pwwn

Syntax Description

no	(Optional) Negate a command or set its defaults
dpvm	Configure Dynamic Port Vsan Membership
overwrite-duplicate-pwwn	Overwrites first login info with duplicate pwwn login

Command Mode

- /exec/configure

dpvm restart

dpvm restart

Syntax Description

dpvm	DPVM configuration command
restart	Restart DPVM Process using FIP

Command Mode

- /exec

dre-thresholds

```
dre-thresholds [ level-1 <percentage-1> ] [ level-2 <percentage-2> ] [ level-3 <percentage-3> ] [ level-4
<percentage-4> ] [ level-5 <percentage-5> ] [ level-6 <percentage-6> ] [ level-7 <percentage-7> ] | no
dre-thresholds
```

Syntax Description

no	Negate a command or set its defaults
dre-thresholds	Dynamic Rate Estimator thresholds
level-1	(Optional) Level-1 threshold
<i>percentage-1</i>	(Optional) Value in percentage
level-2	(Optional) Level-2 threshold
<i>percentage-2</i>	(Optional) Value in percentage
level-3	(Optional) Level-3 threshold
<i>percentage-3</i>	(Optional) Value in percentage
level-4	(Optional) Level-4 threshold
<i>percentage-4</i>	(Optional) Value in percentage
level-5	(Optional) Level-5 threshold
<i>percentage-5</i>	(Optional) Value in percentage
level-6	(Optional) Level-6 threshold
<i>percentage-6</i>	(Optional) Value in percentage
level-7	(Optional) Level-7 threshold
<i>percentage-7</i>	(Optional) Value in percentage

Command Mode

- /exec/configure/dyn-loadbalancing

drop-trigger

[no] drop-trigger { ingress-admission | egress-admission | wred }

Syntax Description

no	(Optional) Negate the command
drop-trigger	Configure drop-trigger parameters
ingress-admission	Ingress Admission Drop
egress-admission	Egress Admission Drop
wred	Weighted Random Early Discard Drop

Command Mode

- /exec/configure/pkt-drop

drop access-list

[no] drop access-list <acl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
drop	ACL to drop instead of redirection
access-list	ITD access-list name
<i>acl-name</i>	ITD drop ACL name

Command Mode

- /exec/configure/itd

dscp

{ [no] dscp <dscp> | no dscp }

Syntax Description

dscp	Optional DSCP
<i>dscp</i>	Differentiated services codepoint value

Command Mode

- /exec/configure/nfm-exporter

dscp

{ [no] dscp <dscp> | no dscp }

Syntax Description

dscp	Provide the dscp value for this INT flow-profile
<i>dscp</i>	flow-profile dscp (allowed values: 1, 2, 4, 8, 16, 32, 63). Default is 1

Command Mode

- /exec/configure/config-int-flow-prof

dscp

{ [no] dscp <dscp> | no dscp }

Syntax Description

dscp	Optional DSCP
<i>dscp</i>	Differentiated services codepoint value

Command Mode

- /exec/configure/analytics/exporter

dscp

[no] dscp <dscp>

Syntax Description

dscp	DSCP
<i>dscp</i>	DSCP to be configured

Command Mode

- /exec/configure/config-ssx-exporter

dscp

{ [no] dscp <dscp> | no dscp }

Syntax Description

dscp	Optional DSCP
<i>dscp</i>	Differentiated services codepoint value

Command Mode

- /exec/configure/nfm-exporter

dscp

```
{ [ no ] dscp <dscp> }
```

Syntax Description

dscp	DSCP value
<i>dscp</i>	DSCP value to be configured

Command Mode

- /exec/configure/config-int-clone-md-sink-collector

dscp

dscp { <dscp-enum> | <dscp-val> } | { no | default } dscp [{ <dscp-enum> | <dscp-val> }]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
dscp	Set dscp value for tcp transport
<i>dscp-val</i>	Specify DSCP value for Locally Originated packets for IPv4 and IPv6
<i>dscp-enum</i>	

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

dst-grp

[no] dst-grp <d-grp-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
dst-grp	Associated destination group
<i>d-grp-id</i>	Identifier

Command Mode

- /exec/configure/telemetry/subscription

dual-active exclude interface-vlan

dual-active exclude interface-vlan <allow-vlans> | no dual-active exclude interface-vlan

Syntax Description

no	Negate a command or set its defaults
dual-active	Configuration when peer link is down but peer is alive
interface-vlan	Interface vlan configuration
exclude	Interface vlans to exclude from suspension when dual-active
<i>allow-vlans</i>	Set allowed interface vlans

Command Mode

- /exec/configure/vpc-domain

duplex

duplex <duplex_mode> | no duplex [<duplex_mode>]

Syntax Description

no	Negate a command or set its defaults
duplex	Enter the port duplex mode
<i>duplex_mode</i>	Interface duplex mode

Command Mode

- /exec/configure/if-mgmt-ether

duplex

duplex <duplex_mode> | no duplex [<duplex_mode>]

Syntax Description

no	Negate a command or set its defaults
duplex	Enter the port duplex mode
<i>duplex_mode</i>	Interface duplex mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

duplicate-message throttle

[no] duplicate-message throttle

Syntax Description

no	(Optional) Negate a command or set its defaults
duplicate-message	Configure throttling of duplicate callhome alert messages
throttle	Enable throttling of duplicate callhome alert messages

Command Mode

- /exec/configure/callhome

dynamic-capability

[no | default] dynamic-capability

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
dynamic-capability	Dynamic capability

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

dynamic-med-interval

[no] dynamic-med-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
dynamic-med-interval	Sets the interval for dampening of med changes
<i>sec</i>	Time interval in seconds

Command Mode

- /exec/configure/router-bgp

dynamic-timer

{ [no] dynamic-timer <time> | no dynamic-timer }

Syntax Description

dynamic-timer	Define a De-Dup dynamic timer
<i>time</i>	Time in milliseconds

Command Mode

- /exec/configure/de-duplication

dynamic

[no] dynamic

Syntax Description

no	(Optional) Negate a command or set its defaults
dynamic	Enter dynamic properties for path

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref

dynamic

[no] dynamic

Syntax Description

no	(Optional) Negate a command or set its defaults
dynamic	Enter dynamic properties for path

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref

dynamic



E Commands

- [eap profile](#), on page 1299
- [eapol mac-address](#), on page 1300
- [ebgp-multihop](#), on page 1301
- [ecckeypair](#), on page 1302
- [echo](#), on page 1303
- [ecp max-retries](#), on page 1304
- [ecp mode lan](#), on page 1305
- [ecp retransmission-timer-exponent](#), on page 1306
- [eem test](#), on page 1307
- [eemtest policy-add](#), on page 1308
- [eemtest policy-remove](#), on page 1309
- [egress-engineering](#), on page 1310
- [egress-host](#), on page 1311
- [egress-host](#), on page 1312
- [egress-interface](#), on page 1313
- [egress-interface](#), on page 1314
- [egress](#), on page 1315
- [eid-prefix](#), on page 1316
- [elevation threshold](#), on page 1317
- [email-addr](#), on page 1318
- [email-contact](#), on page 1319
- [email](#), on page 1320
- [email](#), on page 1321
- [enable](#), on page 1322
- [enable Cert](#), on page 1323
- [encapsulation-type](#), on page 1324
- [encapsulation](#), on page 1325
- [encapsulation dot1q](#), on page 1326
- [encapsulation dot1q](#), on page 1327
- [encapsulation dot1q provider-vlan](#), on page 1328
- [encapsulation mpls](#), on page 1329
- [encapsulation mpls](#), on page 1330
- [encapsulation mpls source ipv4](#), on page 1331

- encryption decrypt type6, on page 1332
- encryption delete type6, on page 1333
- encryption disable ipsec spi esp 3des aes 128 authentication sha1, on page 1334
- encryption ipsec spi esp 3des aes 128 authentication sha1, on page 1335
- encryption re-encrypt obfuscated, on page 1336
- end, on page 1337
- enforce-first-as, on page 1338
- enhanced-error, on page 1339
- enrollment terminal, on page 1340
- epbr infra vlans, on page 1341
- epbr ip policy, on page 1342
- epbr ipv6 policy, on page 1343
- epbr l2 policy egress-interface, on page 1344
- epbr policy, on page 1345
- epbr policy, on page 1346
- epbr service-chain, on page 1347
- epbr service, on page 1348
- epbr service, on page 1349
- epbr session, on page 1350
- epbr session access-list refresh, on page 1351
- errdisable, on page 1352
- errdisable detect cause, on page 1354
- errdisable detect cause acl-exception, on page 1355
- errdisable port detect cause acl-exception, on page 1356
- errdisable recovery interval, on page 1357
- erspan-id, on page 1358
- erspan session-id all, on page 1359
- esi, on page 1360
- esi system-mac, on page 1361
- ethanalyzer, on page 1362
- ethanalyzer local, on page 1363
- ethernet-segment delay-restore time, on page 1364
- ethernet-segment vpc, on page 1365
- ethernet-tag encapsulation dot1q default static, on page 1366
- ethernet-tag encapsulation dot1q static, on page 1367
- ethernet-tag encapsulation vni default static, on page 1368
- ethernet-tag encapsulation vni static, on page 1369
- evb mac, on page 1370
- evb reinit-keep-alive, on page 1371
- evb resource-wait-delay, on page 1372
- event, on page 1373
- event, on page 1374
- event, on page 1375
- event, on page 1376
- event cli match, on page 1377
- event counter name entry-val entry-op, on page 1378

- event fanabsent time, on page 1379
- event fanbad time, on page 1380
- event fcns entries max-per-switch, on page 1381
- event flogi intf-max, on page 1382
- event flogi switch-max, on page 1383
- event gold module test testing-type scheduled consecutive-failure, on page 1384
- event manager applet, on page 1385
- event manager clear counter, on page 1386
- event manager clear history events, on page 1387
- event manager environment, on page 1388
- event manager policy, on page 1389
- event manager run, on page 1390
- event memory, on page 1391
- event module-failure type module count, on page 1392
- event module status module1, on page 1393
- event neighbor-discovery, on page 1394
- event none, on page 1395
- event oir fan, on page 1396
- event oir module, on page 1397
- event oir powersupply, on page 1398
- event policy-default disable, on page 1399
- event poweroverbudget, on page 1400
- event snmp oid get-type exact entry-op entry-val poll-interval, on page 1401
- event storm-control, on page 1403
- event syslog pattern, on page 1404
- event sysmgr memory major minor clear, on page 1405
- event sysmgr switchover count time, on page 1406
- event temperature threshold, on page 1407
- event test match, on page 1408
- event timer, on page 1409
- event track state, on page 1410
- event zone dbsize max-per-vsan, on page 1411
- event zone zonemembers max-per-switch, on page 1412
- event zone zones max-per-switch, on page 1413
- event zone zonesets max-per-switch, on page 1414
- events transport udp, on page 1415
- events transport udp, on page 1416
- evi, on page 1417
- evi, on page 1418
- evi auto, on page 1419
- evpn, on page 1420
- evpn esi multihoming, on page 1421
- evpn multihoming core-tracking, on page 1422
- evpn multisite border-gateway, on page 1423
- evpn multisite dci-tracking, on page 1424
- evpn multisite fabric-tracking, on page 1425

- [evpn storm-control level](#), on page 1426
- [exclude-any](#), on page 1427
- [exclude-any](#), on page 1428
- [exclude access-list](#), on page 1429
- [exec-timeout](#), on page 1430
- [exec-timeout](#), on page 1431
- [exit](#), on page 1432
- [exit](#), on page 1433
- [expiry-interval](#), on page 1434
- [explicit-null](#), on page 1435
- [explicit segment-list](#), on page 1436
- [explicit segment-list](#), on page 1437
- [export-gateway-ip](#), on page 1438
- [export map](#), on page 1439
- [export vrf allow-vpn](#), on page 1440
- [export vrf default map](#), on page 1441
- [exporter-bucket-id](#), on page 1442
- [exporter-bucket-id](#), on page 1443
- [exporter-id](#), on page 1444
- [exporter-id](#), on page 1445
- [exporter-id](#), on page 1446
- [exporter](#), on page 1447
- [exporter](#), on page 1448
- [exporter](#), on page 1449
- [exporter](#), on page 1450
- [exporter](#), on page 1451
- [exporter](#), on page 1452
- [exporter](#), on page 1453
- [extension-header](#), on page 1454

eap profile

[no] eap profile <name>

Syntax Description

eap	dot1x configuration commands
profile	Eap profile to be used
<i>name</i>	Name of Eap profile

Command Mode

- /exec/configure

eapol mac-address

[no] eapol mac-address { <mac_addr> | broadcast-address } [ether type <eth_type>]

Syntax Description

eapol	specify mac address and ether type for eapol packets
mac-address	mac address
<i>mac_addr</i>	mac address destination specified as a string
broadcast-address	broadcast address
ether type	(Optional) ether type
<i>eth_type</i>	(Optional) ether type specified as string

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-eth-base

ebgp-multihop

ebgp-multihop <ebgp-ttl> | { no | default } ebgp-multihop [<ebgp-ttl>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
ebgp-multihop	Specify multihop TTL for remote peer
<i>ebgp-ttl</i>	EBGP TTL value

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

ecckeypair

[no] ecckeypair <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
ecckeypair	Configure trustpoint rsa key-pair details
s0	key-pair label

Command Mode

- /exec/configure/trustpoint

echo

```
echo [ -e | -n ] [ <line> ]
```

Syntax Description

echo	echo argument back to screen (useful for scripts)
-e	(Optional) enable interpretation of the backslash-escaped characters
-n	(Optional) suppress the newline at end
<i>line</i>	(Optional) the string to echo (use quotes if string contains spaces)

Command Mode

- /exec

ecp max-retries

ecp max-retries <cnt> | no ecp max-retries [<cnt>]

Syntax Description

no	Negate a command or set its defaults
ecp	ECP (Edge Control Protocol)
max-retries	Maximal number of retransmissions
<i>cnt</i>	Numer of retries. default 3

Command Mode

- /exec/configure

ecp mode lan

[no] ecp mode lan

Syntax Description

no	(Optional) Negate a command or set its defaults
ecp	ECP (Edge Control Protocol)
mode	ECP session mode
lan	Enable ECP LAN mode

Command Mode

- /exec/configure

ecp retransmission-timer-exponent

ecp retransmission-timer-exponent <exp> | no ecp retransmission-timer-exponent [<exp>]

Syntax Description

no	Negate a command or set its defaults
ecp	ECP (Edge Control Protocol)
retransmission-timer-exponent	Retransmission timer exponent
<i>exp</i>	Timer exponent. default: 14 (ex. 10 exp ~ 10 ms)

Command Mode

- /exec/configure

eem test

eem test <param>

Syntax Description

eem	Event Manager command
test	Do test action
<i>param</i>	Test action parameter (dummy value)

Command Mode

- /exec

eemtest policy-add

eemtest policy-add <name> [override <override-name>]

Syntax Description

eemtest	EEM test commands
policy-add	Add a client policy
<i>name</i>	Name of policy (cannot have underscore in first two characters)
override	(Optional) Override a system policy
<i>override-name</i>	(Optional) Name of the system policy to override - should begin with double underscore

Command Mode

- /exec

eemtest policy-remove

eemtest policy-remove <name> [override <override-name>]

Syntax Description

eemtest	EEM test commands
policy-remove	Remove a client policy
<i>name</i>	Name of policy (cannot have underscore in first two characters)
override	(Optional) Override a system policy
<i>override-name</i>	(Optional) Name of the system policy to override - should begin with double underscore

Command Mode

- /exec

egress-engineering

[no | default] egress-engineering [peer-set <peer-set-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
egress-engineering	Configure Egress Peer Engineering (EPE) for peer
peer-set	(Optional) Configure EPE Peer-Set
<i>peer-set-name</i>	(Optional) EPE Peer-Set name

Command Mode

- /exec/configure/router-bgp/router-bgp-template-neighbor
/exec/configure/router-bgp/router-bgp-neighbor-stmp /exec/configure/router-bgp/router-bgp-neighbor
/exec/configure/router-bgp/router-bgp-prefixneighbor

egress-host

[no] egress-host <hostip>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>hostip</i>	IP Address of host

Command Mode

- /exec/configure/nbm-flow-def

egress-host

[no] egress-host <hostip>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>hostip</i>	IP Address of host

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

egress-interface

[no] egress-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>interface</i>	Physical or Logical interface

Command Mode

- /exec/configure/nbm-flow-def

egress-interface

[no] egress-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>interface</i>	Physical or Logical interface

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

egress

{ egress <eid> | no egress }

Syntax Description

no	Negate a command or set its defaults
egress	Outgoing egress Interface
<i>eid</i>	Outgoing egress Interface identifier

Command Mode

- /exec/configure/configngoamconnectcheck

eid-prefix

```
{ [ no ] eid-prefix { <eid-prefix> | <eid-prefix6> } [ instance-id <iid> ] [ route-tag <tag> ] [
accept-more-specifics ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
eid-prefix	EID-prefix for LISP site
<i>eid-prefix</i>	IP EID-prefix of the site
instance-id	(Optional) Configures instance-ID for site's EID-prefix
<i>iid</i>	(Optional) 24-bit instance-ID value
route-tag	(Optional) Route tag for LISP EID-prefix routes
<i>tag</i>	(Optional) 32-bit value for tag
accept-more-specifics	(Optional) Allow more-specifics of site EID-prefix to register

Command Mode

- /exec/configure/lisp-site /exec/configure/vrf/lisp-site

elevation threshold

[no] elevation threshold <thres>

Syntax Description

no	(Optional) Negate a command or set its defaults
elevation	Elevation threshold configuration
threshold	Elevation threshold configuration
<i>thres</i>	Elevation threshold value, in degrees

Command Mode

- /exec/configure/gnss-if

email-addr

[no] email-addr <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
email-addr	Add email addr to send output of jobs configured for this schedule
s0	Provide email address, example: jdow@xyz.com

Command Mode

- /exec/configure/schedule

email-contact

{ email-contact <s0> | no email-contact }

Syntax Description

no	Negate a command or set its defaults
email-contact	email address of the contact person
s0	Provide email address, example: jdow@xyz.com

Command Mode

- /exec/configure/callhome

email

```
| email [ -f <fromemail> | -r <replytoemail> | -S <smtphost> | -P <smtpport> | -s <subject> | -c
<vrf-known-name> ] + <toemail>
```

Syntax Description

	Pipe command output to filter
email	Email command output
-f	(Optional) From address
<i>fromemail</i>	(Optional) Email address
-r	(Optional) Reply to address
<i>replytoemail</i>	(Optional) Email address
-S	(Optional) SMTP host
<i>smtphost</i>	(Optional) IPV4/IPV6 address or DNS name
-P	(Optional) SMTP port
<i>smtpport</i>	(Optional) SMTP port number
-s	(Optional) Subject
<i>subject</i>	(Optional) Email subject
-c	(Optional) VRF
<i>vrf-known-name</i>	(Optional) VRF name
<i>toemail</i>	Recipient email address

Command Mode

- /output

email

[no] email

Syntax Description

no	(Optional) Negate a command or set its defaults
email	Configure pipe email

Command Mode

- /exec/configure

enable

[no] enable

Syntax Description

no	(Optional) Negate a command or set its defaults
enable	enable callhome

Command Mode

- /exec/configure/callhome

enable Cert

[no] enable { Cert-DN-match | user-server-group }

Syntax Description

no	(Optional) Negate a command or set its defaults
enable	Enable
user-server-group	Enable/Disable group validation
Cert-DN-match	Enable/Disable Cert-DN matching

Command Mode

- /exec/configure/ldap

encapsulation-type

encapsulation-type <encaptype>

Syntax Description

encapsulation-type	Encapsulation type
<i>encaptype</i>	Encapsulation type options

Command Mode

- /exec/configure/tunenc-policy

encapsulation

[no] encapsulation

Syntax Description

no	(Optional) Negate a command or set its defaults
encapsulation	Parameters related to SRv6 encapsulation

Command Mode

- /exec/configure/sr/srv6

encapsulation dot1q

encapsulation dot1q <vlan_id> | no encapsulation dot1q [<vlan_id>]

Syntax Description

no	Negate a command or set its defaults
encapsulation	Set encapsulation type for an interface
dot1q	IEEE 802.1Q Virtual LAN
<i>vlan_id</i>	IEEE 802.1Q VLAN ID required

Command Mode

- /exec/configure/if-remote-ethernet-sub

encapsulation dot1q

encapsulation dot1q <vlan_id> | no encapsulation dot1q [<vlan_id>]

Syntax Description

no	Negate a command or set its defaults
encapsulation	Set encapsulation type for an interface
dot1q	IEEE 802.1Q Virtual LAN
<i>vlan_id</i>	IEEE 802.1Q VLAN ID required

Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-p2p

encapsulation dot1q provider-vlan

encapsulation dot1q <c_vlan_id> provider-vlan <s_vlan_id> | no encapsulation dot1q [<c_vlan_id> [provider-vlan <s_vlan_id>]]

Syntax Description

no	Negate a command or set its defaults
encapsulation	Set encapsulation type for an interface
dot1q	IEEE 802.1Q Virtual LAN (customer)
<i>c_vlan_id</i>	IEEE 802.1Q VLAN ID required
provider-vlan	IEEE 802.1Q Virtual LAN (service)
<i>s_vlan_id</i>	IEEE 802.1Q VLAN ID required

Command Mode

- /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch

encapsulation mpls

[no | default] encapsulation mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
encapsulation	Configure encapsulation type for EVPN routes
mpls	Mpls encapsulation

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn

encapsulation mpls

[no] encapsulation mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
encapsulation	Encapsulation type for the overlay
mpls	Segment routing

Command Mode

- /exec/configure/evpn

encapsulation mpls source ipv4

[no] encapsulation mpls source ipv4 <ip-address>

Syntax Description

no	(Optional) Negate a command or set its defaults
encapsulation	Configure encapsulation type
mpls	Configure paramters for mpls encapsulation
source	Configure source address for mpls encapsulation
ipv4	Configure ipv4 source address
<i>ip-address</i>	Source address

Command Mode

- /exec/configure/sr/te

encryption decrypt type6

encryption decrypt type6

Syntax Description

encryption	Strong encryption for credential(s)
decrypt	Decrypts strongly encrypted secret(s) to obfuscated type(s)
type6	type6 secrets present in system

Command Mode

- /exec

encryption delete type6

encryption delete type6 [<uuid> | <name>]

Syntax Description

encryption	Strong encryption for credential(s)
delete	Deletes strongly encrypted secret(s)
type6	type6 secrets present in system
<i>uuid</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>name</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

encryption disable ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] encryption { disable | ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication { sha1 <akey> | null } } } | { [ no ] encryption ipsec spi <spi_id> esp key-chain <keychain_enc> authentication { key-chain <keychain_ah> | null } } | { [ no ] encryption ipsec spi <spi_id> esp null authentication { sha1 <akey> | key-chain <keychain_ah> } } | { no encryption ipsec spi <spi_id> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
encryption	Enable Encryption
disable	Disable Encryption
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

encryption ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] encryption ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication { sha1 <akey> | null } } | { [ no ] encryption ipsec spi <spi_id> esp key-chain <keychain_enc> authentication { key-chain <keychain_ah> | null } } | { [ no ] encryption ipsec spi <spi_id> esp null authentication { sha1 <akey> | key-chain <keychain_ah> } } | { no encryption ipsec spi <spi_id> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
encryption	Enable Encryption on all Interfaces
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

encryption re-encrypt obfuscated

encryption re-encrypt obfuscated

Syntax Description

encryption	Strong encryption for credential(s)
re-encrypt	Re-encrypts weakly encrypted secret(s) to strongly encrypted secret(s)
obfuscated	type-3/type-7/clear-text secrets present in system

Command Mode

- /exec

end

end

Syntax Description

end	Go to exec mode
-----	-----------------

Command Mode

- /global

enforce-first-as

[no] enforce-first-as

Syntax Description

no	(Optional) Negate a command or set its defaults
enforce-first-as	Enforce neighbor AS is the first AS in AS-PATH attribute (EBGP)

Command Mode

- /exec/configure/router-bgp

enhanced-error

[no] enhanced-error

Syntax Description

no	(Optional) Negate a command or set its defaults
enhanced-error	Enable BGP Enhanced error handling

Command Mode

- /exec/configure/router-bgp

enrollment terminal

[no] enrollment terminal

Syntax Description

no	(Optional) Negate a command or set its defaults
enrollment	Configure trustpoint enrollment
terminal	Configure trustpoint enrollment via console

Command Mode

- /exec/configure/trustpoint

epbr infra vlans

[no] epbr infra vlans <vlan-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
infra	infra-vlans
vlans	infra-vlans
<i>vlan-range</i>	range of vlans

Command Mode

- /exec/configure

epbr ip policy

```
{ epbr ip policy <policy-name> } [ reverse ] | { no epbr ip policy <policy-name> [ reverse ] }
```

Syntax Description

no	Negate a command or set its defaults
epbr	Enable EPBR chaining on interface
ip	Configure IP features
policy	EPBR policy name
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in the reverse direction.

Command Mode

- /exec/configure/if-igp /exec/configure/if-vni/

epbr ipv6 policy

```
{ epbr ipv6 policy <policy-name> } [ reverse ] | { no epbr ipv6 policy <policy-name> [ reverse ] }
```

Syntax Description

no	Negate a command or set its defaults
epbr	Enable EPBR chaining on interface
ipv6	Configure IPv6 features
policy	EPBR policy name
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in reverse direction.

Command Mode

- /exec/configure/if-igp /exec/configure/if-vni/

epbr l2 policy egress-interface

```
{ epbr l2 policy <policy-name> egress-interface <egress-intf-name> } [ reverse ] | { no epbr l2 policy
<policy-name> egress-interface <egress-intf-name> [ reverse ] }
```

Syntax Description

no	Negate a command or set its defaults
epbr	Enable EPBR chaining on interface
l2	Configure L2 features
policy	EPBR policy name
<i>policy-name</i>	Policy name
egress-interface	egress interface
<i>egress-intf-name</i>	Interface
reverse	(Optional) Apply the policy in reverse direction.

Command Mode

- /exec/configure/if-set-acl-l2

epbr policy

[no] epbr policy <policy-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR policy
policy	EPBR policy
<i>policy-name</i>	EPBR policy-name

Command Mode

- /exec/configure/epbr-sess

epbr policy

[no] epbr policy <policy-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR policy
policy	EPBR policy
<i>policy-name</i>	EPBR policy-name

Command Mode

- /exec/configure

epbr service-chain

[no] epbr service-chain <service-chain-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
service-chain	EPBR service
<i>service-chain-name</i>	EPBR service-name

Command Mode

- /exec/configure

epbr service

[no] epbr service <service-name> [type <svc-type>]

Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
service	EPBR service
<i>service-name</i>	EPBR service-name
type	(Optional) Type of EPBR service
<i>svc-type</i>	(Optional) I3/I2 service

Command Mode

- /exec/configure

epbr service

[no] epbr service <service-name> [type <svc-type>]

Syntax Description

no	(Optional) Negate a command or set its defaults
epbr	EPBR service
service	EPBR service
<i>service-name</i>	EPBR service-name
type	(Optional) Type of EPBR service
<i>svc-type</i>	(Optional) I3/I2 service

Command Mode

- /exec/configure/epbr-sess

epbr session

epbr session

Syntax Description

epbr	EPBR service
session	EPBR session

Command Mode

- /exec/configure

epbr session access-list refresh

epbr session access-list <acl-name> refresh

Syntax Description

epbr	EPBR service
session	EPBR session
access-list	EPBR include access-list
<i>acl-name</i>	acl-name
refresh	Refresh EPBR policies based on access-list changes

Command Mode

- /exec/configure

errdisable

```
errdisable { detect cause_detect { all_cause | link-flap_cause | loopback_cause } | recovery { cause_recovery
{ all_recovery | udld | loopback_recovery | bpduguard | security-violation | psecure-violation | link-flap-recovery
| storm-control | dcbx-no-ack | vpc-peerlink | failed-port-state | vlan-membership | pause-rate-limit } } } | no
errdisable { detect cause_detect { all_cause | link-flap_cause | loopback_cause } | recovery { cause_recovery
{ all_recovery | udld | loopback_recovery | bpduguard | security-violation | psecure-violation | link-flap-recovery
| storm-control | dcbx-no-ack | vpc-peerlink | failed-port-state | vlan-membership | pause-rate-limit } } }
```

Syntax Description

no	Negate a command or set its defaults
errdisable	Error disable
detect	Error disable detection
cause_detect	Enable error disable detection for application
all_cause	Enable error detection on all cases
link-flap_cause	Enable error disable detection on linkstate-flapping
loopback_cause	Enable error disable detection on loopback detected by UDLD
recovery	Error disable recovery
cause_recovery	Enable error disable recovery for application
all_recovery	Enable timer to recover from all causes
udld	Enable timer to recover from udld error disabled state
loopback_recovery	Enable timer to recover from loopback error disabled state detected by UDLD
bpduguard	Enable timer to recover from BPDU Guard error disable state
security-violation	Enable timer to recover from 802.1x violation disable state
psecure-violation	Enable timer to recover from psecure violation disable state
link-flap-recovery	Enable timer to recover from linkstate flapping
storm-control	Enable timer to recover from storm control error disabled state
dcbx-no-ack	Enable timer to recover from no DCBX Acks
vpc-peerlink	Enable timer to recover from inconsistent vpc peer-link
failed-port-state	Enable timer to recover from stp set port state failure
vlan-membership	Enable timer to recover from vlan membership failure
pause-rate-limit	Enable timer to recover from pause rate limit error disabled state

Command Mode

- /exec/configure

errdisable detect cause

```
[no] errdisable detect cause { link-down [ num-times <i0> duration <i1> ] | trustsec-violation [ num-times
<i0> duration <i1> ] | bit-errors [ num-times <i0> duration <i1> ] | signal-loss [ num-times <i0> duration
<i1> ] | sync-loss [ num-times <i0> duration <i1> ] | link-reset [ num-times <i0> duration <i1> ] | credit-loss
[ num-times <i0> duration <i1> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
errdisable	Error Disable the port
detect	Enter detect reason
cause	Enter port down cause
link-down	Detection of excessive link down events
trustsec-violation	Detection of excessive trustsec violation events
bit-errors	Detection of excessive bit error events
signal-loss	Detection of excessive signal loss events
sync-loss	Detection of excessive sync loss events
link-reset	Detection of excessive link reset events
credit-loss	Detection of excessive credit loss events
num-times	(Optional) Enter number of flaps
<i>i0</i>	(Optional) Enter number of flaps
duration	(Optional) Enter duration in seconds
<i>i1</i>	(Optional) Enter duration in seconds

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

errdisable detect cause acl-exception

[no] errdisable detect cause acl-exception

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure

errdisable port detect cause acl-exception

[no] errdisable port detect cause acl-exception

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/if-eth-phy /exec/configure/if-ethernet /exec/configure/if-ethernet-switch

errdisable recovery interval

errdisable recovery interval <val> | no errdisable recovery interval [<val>]

Syntax Description

no	Negate a command or set its defaults
errdisable	Error disable
recovery	Error disable recovery
interval	Error disable recovery timer value
<i>val</i>	timer-interval (sec)

Command Mode

- /exec/configure

erspan-id

[no] erspan-id <flow_id>

Syntax Description

no	(Optional) Negate a command or set its defaults
erspan-id	Ersparn ID for ERSPAN sessions
<i>flow_id</i>	erspan-id

Command Mode

- /exec/configure/monitor-erspan

erspan session-id all

[no] erspan session-id all

Syntax Description

no	(Optional) Negate a command or set its defaults
erspan	Encapsulation type ERSPAN related
session-id	ERSPAN session-id
all	All session-id

Command Mode

- /exec/configure/tunnel-profile

esi

[no] esi <esi> [tag <tag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
esi	Type-0 ESI
<i>esi</i>	10 byte ESI with first byte as 00
tag	(Optional) tag
<i>tag</i>	(Optional) tag associated with ESI

Command Mode

- /exec/configure/if-eth-port-channel/ethernet-segment

esi system-mac

[no] esi system-mac <mac-addr> <local-identifier> [tag <tag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
esi	Type-3 ESI
system-mac	Mac Address
<i>mac-addr</i>	specify system MAC address
tag	(Optional) tag
<i>tag</i>	(Optional) tag associated with ESI

Command Mode

- /exec/configure/if-eth-port-channel/ethernet-segment

ethalyzer

```
ethalyzer { { background-session { restart | stop | config { filename <filename> | filesize <filesize> | numfiles
<numfiles> | session { enable | disable } } } } | { copy-background-snapshot } | {
copy-compressed-background-snapshot } }
```

Syntax Description

ethalyzer	Configure cisco packet analyzer
background-session	Background packet analyzer sessions
restart	Create/restart background packet analyzer session
stop	Stop background packet analyzer session
config	Background packet analyzer session configuration file
filename	pcap filename
<i>filename</i>	pcap filename
filesize	Individual pcap file size
<i>filesize</i>	size in kilobytes
numfiles	Number of pcap files
<i>numfiles</i>	Number of files
session	Enable/disable background packet analyzer session configuration
enable	Enable background packet analyzer session configuration
disable	Disable background packet analyzer session configuration
copy-background-snapshot	Copy packet analyzer session captured frame to bootflash
copy-compressed-background-snapshot	Copy packet analyzer session captured compressed frame to bootflash

Command Mode

- /exec

ethanalyzer local

[no] ethanalyzer local [{ { {

Syntax Description

{	(Optional) inband
no	(Optional) Negate a command or set its defaults
ethanalyzer	Configure cisco packet analyzer
local	start local capture of frames to Sup

Command Mode

- /exec

ethernet-segment delay-restore time

[no] ethernet-segment delay-restore time <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
ethernet-segment	ethernet-segment
delay-restore	delay-restore
time	time
<i>sec</i>	time in seconds

Command Mode

- /exec/configure/evpn-esi-mh

ethernet-segment vpc

[no] ethernet-segment vpc

Syntax Description

no	(Optional) Negate a command or set its defaults
ethernet-segment	Configure Ethernet-Segment
vpc	vpc

Command Mode

- /exec/configure/if-eth-port-channel-switch

ethernet-tag encapsulation dot1q default static

{ ethernet-tag encapsulation dot1q default { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation dot1q default }

Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
default	Default (wildcard). Match any dot1q when there is no specific dot1q mapping configured

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

ethernet-tag encapsulation dot1q static

```
{ ethernet-tag encapsulation dot1q <vlan-id> { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation dot1q <vlan-id> }
```

Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
<i>vlan-id</i>	

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

ethernet-tag encapsulation vni default static

```
{ ethernet-tag encapsulation vni default { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation vni default }
```

Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
vni	Virtual Network Identifier
default	Default (wildcard). Match any vni when there is no specific vni mapping configured

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

ethernet-tag encapsulation vni static

{ ethernet-tag encapsulation vni <vni-id> { static <profile-name> | dynamic } } | { no ethernet-tag encapsulation vni <vni-id> }

Syntax Description

no	Negate a command or set its defaults
ethernet-tag	Data snooping triggers
encapsulation	Encapsulation/Trigger type
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
vni	Virtual Network Identifier
<i>vni-id</i>	

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

evb mac

```
{ evb mac <mac-addr> } | { no evb mac [ <mac-addr> ] }
```

Syntax Description

no	Negate a command or set its defaults
evb	EVB (Edge Virtual Bridge)
mac	VDP multicast MAC address
<i>mac-addr</i>	MAC Address

Command Mode

- /exec/configure

evb reinit-keep-alive

```
{ evb reinit-keep-alive <exp> } | { no evb reinit-keep-alive [ <exp> ] }
```

Syntax Description

no	Negate a command or set its defaults
evb	EVB (Edge Virtual Bridge)
reinit-keep-alive	Keepalive
<i>exp</i>	Timer exponent. (Min 22 exp ~ 40 seconds)

Command Mode

- /exec/configure

evb resource-wait-delay

{ evb resource-wait-delay <exp> } | { no evb resource-wait-delay [<exp>] }

Syntax Description

no	Negate a command or set its defaults
evb	EVB (Edge Virtual Bridge)
resource-wait-delay	Resource wait delay
<i>exp</i>	Timer exponent. (Min 22 exp ~ 40 seconds)

Command Mode

- /exec/configure

event

[no] event <eventname>

Syntax Description

event	Specify FTE Event to use
<i>eventname</i>	Name of event

Command Mode

- /exec/configure/config-fte-monitor

event

[no] event <eventname>

Syntax Description

event	Specify Event to use
<i>eventname</i>	Name of event

Command Mode

- /exec/configure/analytics/system

event

[no] event

Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification

Command Mode

- /exec/configure/event-manager-applet

event

[no] event <eventname>

Syntax Description

event	Specify Event to use
<i>eventname</i>	Name of event

Command Mode

- /exec/configure/nfm-system

event cli match

```
[no] event cli [ tag <tag_id> ] match <regex> [ count <countnum> [ time <interval> ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
cli	Create a cli event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
match	Enter cli regex to be used for matching
<i>regex</i>	CLI regex, use * to wildcard a token
count	(Optional) Enter an integer to be used as count
<i>countnum</i>	(Optional) Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds, 0 for indefinitely

Command Mode

- /exec/configure/event-manager-applet

event counter name entry-val entry-op

[no] event counter [tag <tag_id>] name <counter-name> entry-val <entry-val> entry-op <entry-op> [exit-val <exit-val> exit-op <exit-op>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
counter	Create a counter event
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
name	Enter the name of the counter
<i>counter-name</i>	Name of the counter
entry-val	Specify the counter entry conditions
<i>entry-val</i>	Specify the value for comparison with the counter value
entry-op	Specify the operator to be used for comparison
<i>entry-op</i>	Specify the comparison operator
exit-val	(Optional) Specify the counter exit conditions
<i>exit-val</i>	(Optional) Specify the value for comparison with the counter value
exit-op	(Optional) Specify the operator to be used for comparison
<i>exit-op</i>	(Optional) Specify the comparison operator

Command Mode

- /exec/configure/event-manager-applet

event fanabsent time

[no] event fanabsent [fan <fan-number>] time <time-interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
fanabsent	Create fanabsent event specification
fan	(Optional) Optional. Enter fan number (optional arg)
<i>fan-number</i>	(Optional) Enter fan-number
time	Enter time
<i>time-interval</i>	Time in seconds fan can stay absent

Command Mode

- /exec/configure/event-manager-applet

event fanbad time

[no] event fanbad [fan <fan-number>] time <time-interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
fanbad	Create fanbad event specification
fan	(Optional) Optional. Enter fan number (optional arg)
<i>fan-number</i>	(Optional) Enter fan-number
time	Enter time
<i>time-interval</i>	Time in seconds fan can stay bad

Command Mode

- /exec/configure/event-manager-applet

event fcns entries max-per-switch

[no] event fcns entries max-per-switch <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
fcns	FC Nameserver related event
entries	FC Nameserver Database entries
max-per-switch	Maximum Nameserver database count event
<i>i0</i>	Name Server DB Limit

Command Mode

- /exec/configure/event-manager-applet

event flogi intf-max

[no] event flogi intf-max <intf-flogi-max>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
flogi	Configuring events related to flogi
intf-max	Event to configure maximum flogi per interface
<i>intf-flogi-max</i>	Flogi limit per interface

Command Mode

- /exec/configure/event-manager-applet

event flogi switch-max

[no] event flogi switch-max <switch-flogi-max>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
flogi	Configuring events related to flogi
switch-max	Event to configure maximum flogi per switch
<i>switch-flogi-max</i>	Flogi limit per switch

Command Mode

- /exec/configure/event-manager-applet

event gold module test testing-type scheduled consecutive-failure

```
event gold module { <module> | all } test { <name> } [ severity { minor | moderate | major } ] testing-type {
scheduled | monitoring } consecutive-failure <cnt> | no event gold module { <module> | all } test { <name>
}
```

Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
gold	Create a 'Diagnostic' event specification
module	Module keyword
<i>module</i>	Module Number
all	Select all module ID
test	Diagnostic test selection
<i>name</i>	Test name
severity	(Optional) Severity of failure
minor	(Optional) Minor failure
moderate	(Optional) Moderate failure
major	(Optional) Major failure
testing-type	Type of Diagnostic test
scheduled	Scheduled Test
monitoring	Monitoring Test
consecutive-failure	Consecutive number of times failure has occurred
<i>cnt</i>	Failure count

Command Mode

- /exec/configure/event-manager-applet

event manager applet

[no] event manager applet <name> [module <module-id>] [override <override-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Event Manager commands
manager	Event Manager commands
applet	Create/Modify an Event Manager Policy
<i>name</i>	Name of policy (cannot have underscore in first two characters)
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module-id</i>	(Optional)
override	(Optional) Override a system policy
<i>override-name</i>	(Optional) Name of the system policy to override - should begin with double underscore

Command Mode

- /exec/configure

event manager clear counter

event manager clear counter <counter-name>

Syntax Description

event	Event Manager commands
manager	Event Manager commands
clear	Clear event manager information
counter	Clear the value of a counter
<i>counter-name</i>	Name of the counter

Command Mode

- /exec

event manager clear history events

event manager clear history events

Syntax Description

event	Event Manager commands
manager	Event Manager commands
clear	Clear event manager information
history	Clear the stored/archived information
events	Clear all the stored/archived event history for this VDC

Command Mode

- /exec

event manager environment

event manager environment <varname> <varvalue> | no event manager environment <varname>

Syntax Description

no	Negate a command or set its defaults
event	Event Manager commands
manager	Event Manager commands
environment	Configure an environment variable
<i>varname</i>	Name of the environment variable
<i>varvalue</i>	Value of the environment variable

Command Mode

- /exec/configure

event manager policy

event manager policy <name>

Syntax Description

event	Event Manager commands
manager	Event Manager commands
policy	Register a script policy and activate it
<i>name</i>	Name of the script policy file

Command Mode

- /exec/configure

event manager run

```
event manager run <policy-name> [ <arg1> [ <arg2> [ <arg3> [ <arg4> [ <arg5> [ <arg6> [ <arg7> [ <arg8>
[ <arg9> [ <arg10> ]]]]]]]]]]]
```

Syntax Description

event	Event Manager commands
manager	Event Manager commands
run	Trigger/run an event manager policy manually
<i>policy-name</i>	Name of the policy to be triggered-cannot specify default system policy
<i>arg1</i>	(Optional) User specified data value 1
<i>arg2</i>	(Optional) User specified data value 2
<i>arg3</i>	(Optional) User specified data value 3
<i>arg4</i>	(Optional) User specified data value 4
<i>arg5</i>	(Optional) User specified data value 5
<i>arg6</i>	(Optional) User specified data value 6
<i>arg7</i>	(Optional) User specified data value 7
<i>arg8</i>	(Optional) User specified data value 8
<i>arg9</i>	(Optional) User specified data value 9
<i>arg10</i>	(Optional) User specified data value 10

Command Mode

- /exec

event memory

[no] event memory { minor | severe | critical }

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
memory	Create memory thresholds event specification
minor	Minor alert
severe	Severe alert
critical	Critical alert

Command Mode

- /exec/configure/event-manager-applet

event module-failure type module count

[no] event module-failure [tag <tag_id>] type <err-name> module { all | <module> } count <countnum> [time <interval>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
module-failure	Create a 'module-failure' event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
type	Enter an error type
<i>err-name</i>	
module	Enter a module number
all	All modules
<i>module</i>	Enter module number
count	Enter an integer to be used as count
<i>countnum</i>	Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds

Command Mode

- /exec/configure/event-manager-applet

event module status module1

```
[no] event module [ tag <tag_id> ] status { online | offline | any } module1 { all | <module> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
module	Create a 'module' event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
status	Status event
online	Online status
offline	Offline status
any	Online or offline status
module1	Enter a module number
all	All modules
<i>module</i>	Enter module number

Command Mode

- /exec/configure/event-manager-applet

event neighbor-discovery

[no] event [tag <tag_id>] neighbor-discovery

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
neighbor-discovery	Show CDP new neighbors

Command Mode

- /exec/configure/event-manager-applet

event none

[no] event none [tag <tag_id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
none	Manually run policy event with none
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name

Command Mode

- /exec/configure/event-manager-applet

event oir fan

[no] event oir [tag <tag_id>] fan { insert | remove | anyoir } [<fannum>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
oir	Create Online-Insertion-Removal event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
fan	Fan OIR
insert	OIR insert
remove	OIR remove
anyoir	any OIR (Either insert or remove)
<i>fannum</i>	(Optional) Optional. Enter Fan number.

Command Mode

- /exec/configure/event-manager-applet

event oir module

[no] event oir [tag <tag_id>] module { insert | remove | anyoir } [<module>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
oir	Create Online-Insertion-Removal event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
module	Module OIR
insert	OIR insert
remove	OIR remove
anyoir	any OIR (Either insert or remove)
<i>module</i>	(Optional) Optional. Enter module number

Command Mode

- /exec/configure/event-manager-applet

event oir powersupply

[no] event oir [tag <tag_id>] powersupply { insert | remove | anyoir } [<powersupnum>]

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
oir	Create Online-Insertion-Removal event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
powersupply	powersupply OIR
insert	OIR insert
remove	OIR remove
anyoir	any OIR (Either insert or remove)
<i>powersupnum</i>	(Optional) Optional. Enter powersupply number

Command Mode

- /exec/configure/event-manager-applet

event policy-default disable

[no] event policy-default { disable | count <countnum> [time <interval>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
policy-default	Use the event in the system policy being overridden
count	Enter an integer to be used as count
disable	Disable the system policy
<i>countnum</i>	Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds

Command Mode

- /exec/configure/event-manager-applet

event poweroverbudget

[no] event poweroverbudget

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
poweroverbudget	Create poweroverbudget event specification

Command Mode

- /exec/configure/event-manager-applet

event snmp oid get-type exact entry-op entry-val poll-interval

```
[no] event snmp [ tag <tag_id> ] oid <oid-val> get-type { exact | next } entry-op { ent_gt | ent_ge | ent_eq |
ent_ne | ent_lt | ent_le } entry-val <entry-val> [ { exit-comb { or | and } exit-op { ex_gt | ex_ge | ex_eq | ex_ne
| ex_lt | ex_le } exit-val <exit-val> exit-time <exit-time-val> } | { exit-op1 { ex_gt1 | ex_ge1 | ex_eq1 | ex_ne1
| ex_lt1 | ex_le1 } exit-val1 <exit-val1> } ] poll-interval <poll-int-val>
```

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
snmp	Create a 'snmp' event specification.
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
oid	oid of data element in dot notation.
<i>oid-val</i>	oid of data element in dot notation.
get-type	The type of SNMP get operation.
exact	exact
next	next
entry-op	entry comparison operator.
ent_gt	greater than
ent_ge	greater than or equal to
ent_eq	equal to
ent_ne	not equal to
ent_lt	less than
ent_le	less than or equal to
entry-val	value to compare with the current polled value
<i>entry-val</i>	value to compare with the current polled value
exit-comb	(Optional) exit criterion combination
or	(Optional) logical OR
and	(Optional) logical AND
exit-op	(Optional) exit comparison operator.

ex_gt	(Optional) greater than
ex_ge	(Optional) greater than or equal to
ex_eq	(Optional) equal to
ex_ne	(Optional) not equal to
ex_lt	(Optional) less than
ex_le	(Optional) less than or equal to
exit-val	(Optional) value to compare with the current polled value
<i>exit-val</i>	(Optional) value to compare with the current polled value
exit-op1	(Optional) exit comparison operator.
ex_gt1	(Optional) greater than
ex_ge1	(Optional) greater than or equal to
ex_eq1	(Optional) equal to
ex_ne1	(Optional) not equal to
ex_lt1	(Optional) less than
ex_le1	(Optional) less than or equal to
exit-val1	(Optional) value to compare with the current polled value
<i>exit-val1</i>	(Optional) value to compare with the current polled value
exit-time	(Optional) exit time
<i>exit-time-val</i>	(Optional) exit time in seconds
poll-interval	polling interval
<i>poll-int-val</i>	polling interval in seconds

Command Mode

- /exec/configure/event-manager-applet

event storm-control

[no] event storm-control

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
storm-control	Create a storm control event specification

Command Mode

- /exec/configure/event-manager-applet

event syslog pattern

```
[no] event syslog [ tag <tag_id> ] [ occurs <num-occurrences> ] [ period <period-value> ] [ priority { <i0> | alerts | critical | debugging | emergencies | errors | informational | notifications | warnings } ] pattern <regex>
```

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
syslog	Create a syslog event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
occurs	(Optional) Enter an integer to be used for number of occurrences
<i>num-occurrences</i>	(Optional) Integer count
period	(Optional) Enter time interval within which the events need to happen
<i>period-value</i>	(Optional) Time interval in seconds, 0 for indefinitely
priority	(Optional) Priority of the log message
<i>i0</i>	(Optional) Enter priority of the log message
alerts	(Optional) Alert log message
critical	(Optional) Critical log message
debugging	(Optional) Debugging log message
emergencies	(Optional) Emergency log message
errors	(Optional) Error log message
informational	(Optional) Informational log message
notifications	(Optional) Notifications log message
warnings	(Optional) Warning log message
pattern	Enter regex to be used for matching
<i>regex</i>	SYSLOG regex

Command Mode

- /exec/configure/event-manager-applet

event sysmgr memory major minor clear

```
{ { event sysmgr memory [ module <module> ] major <i0> minor <i1> clear <i2> } | { no event sysmgr
memory [ [ module <module> ] major <i0> minor <i1> clear <i2> ] } }
```

Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
sysmgr	system manager related events
memory	memory alert event
module	(Optional) Optional. Enter module number
<i>module</i>	(Optional) Enter module-number
major	set major memory threshold
<i>i0</i>	major memory threshold
minor	set minor memory threshold
<i>i1</i>	minor memory threshold
clear	set clear memory alert threshold
<i>i2</i>	clear memory threshold

Command Mode

- /exec/configure/event-manager-applet

event sysmgr switchover count time

```
{ { event sysmgr switchover count <countnum> time <interval> } | { no event sysmgr switchover [ count <countnum> time <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
sysmgr	System manager related events
switchover	Switchover related event
count	Number of switchovers after which event should be triggered
<i>countnum</i>	Integer count
time	Enter time interval within which the events need to happen
<i>interval</i>	Time interval in seconds

Command Mode

- /exec/configure/event-manager-applet

event temperature threshold

[no] event temperature [module <module>] [sensor <sensornum>] threshold { major | minor | any }

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
temperature	Create temperature event specification
module	(Optional) Optional. Enter module number (optional arg)
<i>module</i>	(Optional) Enter module-number
sensor	(Optional) Optional. Enter sensor number (optional arg)
<i>sensornum</i>	(Optional) Enter sensor number
threshold	Enter Major or Minor threshold
major	Major threshold
minor	Minor threshold
any	Major or Minor

Command Mode

- /exec/configure/event-manager-applet

event test match

```
[no] event test [ tag <tag_id> ] match <num> [ count <countnum> ] [ time <interval> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
test	Create a 'test' event specification
match	Enter an integer to be used for matching
<i>num</i>	Integer value
count	(Optional) Enter an integer to be used as count
<i>countnum</i>	(Optional) Integer count
time	(Optional) Enter time interval within which the events need to happen
<i>interval</i>	(Optional) Time interval in seconds

Command Mode

- /exec/configure/event-manager-applet

event timer

```
[no] event timer [ tag <tag_id> ] { watchdog wtime <watchdog-time> | absolute atime <absolute-time> |
countdown ctime <countdown-time> | cron cron-entry <cron-time> } [ name <timer_name> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
timer	Create a timer event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
name	(Optional) name of the timer
<i>timer_name</i>	(Optional) Enter the timer name
watchdog	Watchdog timer event
wtime	Time period for watchdog
<i>watchdog-time</i>	<1-1924991999[.0-999]> Enter seconds[.milliseconds] value
absolute	Absolute timer event.
atime	epoch time for absolute. Try epochconverter online tool to get value
<i>absolute-time</i>	<1-1924991999[.0-999]> Enter seconds[.milliseconds] value
countdown	Countdown timer event
ctime	Time period for countdown
<i>countdown-time</i>	<1-1924991999[.0-999]> Enter seconds[.milliseconds] value
cron	Cron timer event
cron-entry	Cron entry string
<i>cron-time</i>	format: * * * * * => min hour dom month dow

Command Mode

- /exec/configure/event-manager-applet

event track state

```
event track [ tag <tag_id> ] <object-id> state { any | up | down } | no event track [ tag <tag_id> ] [ <object-id> ]
```

Syntax Description

no	Negate a command or set its defaults
event	Configure an event specification
track	Create a 'track' event specification
tag	(Optional) event tag identifier
<i>tag_id</i>	(Optional) tag name
<i>object-id</i>	Track objects
state	State of tracking object
any	Any state
down	Down state
up	Up state

Command Mode

- /exec/configure/event-manager-applet

event zone dbsize max-per-vsan

[no] event zone dbsize max-per-vsan <countnum>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
dbsize	Zone database size at which EEM event to be triggered
max-per-vsan	Configured value is maximum for the VSAN
<i>countnum</i>	Dbsize limit per vsan

Command Mode

- /exec/configure/event-manager-applet

event zone zonemembers max-per-switch

[no] event zone zonemembers max-per-switch <countnum>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
zonemembers	Zone member count at which EEM event to be triggered
max-per-switch	Configured value is maximum for the switch
<i>countnum</i>	Zone member limit per switch

Command Mode

- /exec/configure/event-manager-applet

event zone zones max-per-switch

[no] event zone zones max-per-switch <countnum>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
zones	Zone count at which EEM event to be triggered
max-per-switch	Configured value is maximum for the switch
<i>countnum</i>	Zone limit per switch

Command Mode

- /exec/configure/event-manager-applet

event zone zonesets max-per-switch

[no] event zone zonesets max-per-switch <countnum>

Syntax Description

no	(Optional) Negate a command or set its defaults
event	Configure an event specification
zonesets	Zoneset count at which EEM event to be triggered
max-per-switch	Configured value is maximum for the switch
<i>countnum</i>	Zoneset limit per switch

Command Mode

- /exec/configure/event-manager-applet

events transport udp

{ [no] events transport udp <portnumber> | no events transport udp }

Syntax Description

events	Destination Port for Events
transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/nfm-exporter

events transport udp

```
{ [ no ] events transport udp <portnumber> | no events transport udp }
```

Syntax Description

events	Destination Port for Events
transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/analytics/exporter

evi

[no] evi <evi_id>

Syntax Description

no	(Optional) Negate a command or set its defaults
evi	Configure Ethernet EVI ID
<i>evi_id</i>	Specify EVI ID

Command Mode

- /exec/configure/evpn

evi

{ evi <id> } | { no evi }

Syntax Description

no	Unconfigure evi identifier
evi	Configure evi identifier for creating auto RT
<i>id</i>	Specify evi identifier

Command Mode

- /exec/configure/vrf

evi auto

[no] evi { auto }

Syntax Description

no	(Optional) Negate a command or set its defaults
evi	Configure an EVI for this VLAN
auto	Automatically set EVI to the VLAN ID

Command Mode

- /exec/configure/vlan

evpn

[no] evpn

Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode

Command Mode

- /exec/configure

evpn esi multihoming

[no] evpn esi multihoming

Syntax Description

no	(Optional) unconfigure the command
evpn	Enter EVPN configuration mode
esi	ESI based multihoming
multihoming	Multihoming feature

Command Mode

- /exec/configure/evpn-esi-multihoming

evpn multihoming core-tracking

[no] evpn multihoming core-tracking

Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode
multihoming	VxLAN evpn multihoming
core-tracking	core interface tracking

Command Mode

- /exec/configure/if-port-channel /exec/configure/if-routing /exec/configure/if-vlan

evpn multisite border-gateway

evpn multisite border-gateway <site-id> | no evpn multisite border-gateway

Syntax Description

no	Unconfigure the command
evpn	Enter EVPN configuration mode
multisite	Multisite
border-gateway	Border-gateway
<i>site-id</i>	Multisite Site-Id

Command Mode

- /exec/configure

evpn multisite dci-tracking

[no] evpn multisite dci-tracking

Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode
multisite	VxLAN evpn multisite
dci-tracking	dci interface tracking

Command Mode

- /exec/configure/if-port-channel /exec/configure/if-routing /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-range

evpn multisite fabric-tracking

[no] evpn multisite fabric-tracking

Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	Enter EVPN configuration mode
multisite	VxLAN evpn multisite
fabric-tracking	fabric interface tracking

Command Mode

- /exec/configure/if-port-channel /exec/configure/if-routing /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-range

evpn storm-control level

[no] evpn storm-control { broadcast | multicast | unicast } level <lev>

Syntax Description

no	(Optional) Negate a command or set its defaults
evpn	VxLAN evpn feature
storm-control	Storm-control
broadcast	Broadcast Packets
multicast	Multicast Packets
unicast	Unknown Unicast Packets
level	Traffic level
<i>lev</i>	Enter the storm suppression level

Command Mode

- /exec/configure

exclude-any

[no] exclude-any

Syntax Description

no	(Optional) Negate a command or set its defaults
exclude-any	Configure exclude-any Affinity Constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff

exclude-any

[no] exclude-any

Syntax Description

no	(Optional) Negate a command or set its defaults
exclude-any	Configure exclude-any Affinity Constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff

exclude access-list

[no] exclude access-list <acl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
exclude	ACL to exclude from redirection
access-list	ITD access-list name
<i>acl-name</i>	ITD exclude ACL name

Command Mode

- /exec/configure/itd

exec-timeout

{ exec-timeout <i0> | no exec-timeout [<i0>] }

Syntax Description

no	Negate a command or set its defaults
exec-timeout	Configure exec timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

Command Mode

- /exec/configure/line

exec-timeout

{ exec-timeout <i0> | no exec-timeout [<i0>] }

Syntax Description

no	Negate a command or set its defaults
exec-timeout	Configure exec timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

Command Mode

- /exec/configure/console

exit

exit

Syntax Description

exit	Exit from command interpreter
------	-------------------------------

Command Mode

- /exec/configure/ip-sla /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho /exec/configure/ip-sla/http

exit

exit

Syntax Description

exit	Exit from command interpreter
------	-------------------------------

Command Mode

- /global

expiry-interval

[no] expiry-interval | expiry-interval <interval>

Syntax Description

no	Negate a command or set its defaults
expiry-interval	Specify how long to use current data while unable to perform successful query
<i>interval</i>	Interval(seconds)

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

explicit-null

explicit-null [for <px-list>] [to <peer-px-list>] | no explicit-null

Syntax Description

no	Negate a command or set its defaults
explicit-null	Advertise Explicit Null label in place of Implicit Null
for	(Optional) Prefix list specifying controls on destination prefixes
<i>px-list</i>	(Optional) Name of prefix list
to	(Optional) Access-list specifying controls on LDP peers
<i>peer-px-list</i>	(Optional) Name of prefix list

Command Mode

- /exec/configure/ldp

explicit segment-list

[no] explicit segment-list <seg-list-name> [weight <weight>]

Syntax Description

no	(Optional) Negate a command or set its defaults
explicit	Preconfigured path
segment-list	Explicit segment list configuration
<i>seg-list-name</i>	Identifying name of the segment-list with max 64 characters
weight	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>weight</i>	(Optional) Weight of segment list

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref

explicit segment-list

[no] explicit segment-list <seg-list-name> [weight <weight>]

Syntax Description

no	(Optional) Negate a command or set its defaults
explicit	Preconfigured path
segment-list	Explicit segment list configuration
<i>seg-list-name</i>	Identifying name of the segment-list with max 64 characters
weight	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>weight</i>	(Optional) Weight of segment list

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref

export-gateway-ip

[no] export-gateway-ip

Syntax Description

no	(Optional) Negate a command or set its defaults
export-gateway-ip	Export Gateway IP to Type-5 EVPN routes for VRF

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

export map

[no] export map <rmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
export	VRF export
map	Route-map based VRF export
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

export vrf allow-vpn

[no] export vrf allow-vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
export	VRF export
vrf	Virtual Router Context
allow-vpn	Allow re-importation of VPN imported routes

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

export vrf default map

[no] export vrf default [<prefix-limit>] map <rmap-name> [allow-vpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
export	VRF export
vrf	Virtual Router Context
default	VRF name (default)
<i>prefix-limit</i>	(Optional) Maximum prefix limit (Default value is 1000)
map	Route-map based VRF import
<i>rmap-name</i>	Route-map name
allow-vpn	(Optional) Allow re-importation of VPN imported routes

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

exporter-bucket-id

[no] exporter-bucket-id <eb-id> <hash-lo> <hash-hi>

Syntax Description

exporter-bucket-id	Exporter Bucket Id
<i>eb-id</i>	Collector Bucket Id
<i>hash-lo</i>	Collector Bucket Hash Low
<i>hash-hi</i>	Collector Bucket Hash High

Command Mode

- /exec/configure/nfm-monitor

exporter-bucket-id

[no] exporter-bucket-id <eb-id> <hash-lo> <hash-hi>

Syntax Description

exporter-bucket-id	Exporter Bucket Id
<i>eb-id</i>	Collector Bucket Id
<i>hash-lo</i>	Collector Bucket Hash Low
<i>hash-hi</i>	Collector Bucket Hash High

Command Mode

- /exec/configure/analytics/monitor

exporter-id

[no] exporter-id <exporter-id>

Syntax Description

exporter-id	Specify the base Exporter ID to be applied on the system
<i>exporter-id</i>	Base Exported ID to be applied

Command Mode

- /exec/configure/analytics/system

exporter-id

{ [no] exporter-id <id> }

Syntax Description

exporter-id	Specify details
<i>id</i>	exporter-id collector

Command Mode

- /exec/configure/config-fte-exporter

exporter-id

[no] exporter-id <exporter-id>

Syntax Description

exporter-id	Specify the base Exporter ID to be applied on the system
<i>exporter-id</i>	Base Exported ID to be applied

Command Mode

- /exec/configure/nfm-system

exporter

[no] exporter <exportername>

Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

Command Mode

- /exec/configure/config-int-monitor

exporter

[no] exporter <exportername>

Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

Command Mode

- /exec/configure/config-fte-monitor

exporter

[no] exporter <exportername> [collector-bucket-id <cb-id>]

Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter
collector-bucket-id	(Optional) Collector Bucket Id
<i>cb-id</i>	(Optional) Collector Bucket Id

Command Mode

- /exec/configure/nfm-monitor

exporter

[no] exporter <exportername>

Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

Command Mode

- /exec/configure/analytics/monitor-eb

exporter

[no] exporter <exportername>

Syntax Description

exporter	Exporter to be configured
<i>exportername</i>	Exporter to be configured

Command Mode

- /exec/configure/config-ssx-monitor

exporter

[no] exporter <exportername>

Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

Command Mode

- /exec/configure/nfm-monitor-eb

exporter

[no] exporter <exportername>

Syntax Description

exporter	Add an Exporter to use to export records
<i>exportername</i>	Name of exporter

Command Mode

- /exec/configure/config-postcard-monitor

extension-header

[no] extension-header <hdr_op_type>

Syntax Description

no	(Optional) Negate a command or set its defaults
extension-header	extension header rule installation
<i>hdr_op_type</i>	extn_hdr_op_type

Command Mode

- /exec/configure/ipv6acl



F Commands

- [fabric-advertise-pip l3](#), on page 1462
- [fabric-binding activate vsan](#), on page 1463
- [fabric-binding database copy vsan](#), on page 1464
- [fabric-binding database diff active vsan](#), on page 1465
- [fabric-binding database diff config vsan](#), on page 1466
- [fabric-binding database vsan](#), on page 1467
- [fabric-binding fip enable](#), on page 1468
- [fabric-binding restart](#), on page 1469
- [fabric-port-channel vhba-reset](#), on page 1470
- [fabric-ready time](#), on page 1471
- [fabric database auto-pull dci node-id](#), on page 1472
- [fabric database auto-pull dci vrf node-id](#), on page 1473
- [fabric database inherit-profile-map](#), on page 1474
- [fabric database mobility-domain](#), on page 1475
- [fabric database override-profile](#), on page 1476
- [fabric database override-vrf-profile](#), on page 1477
- [fabric database profile-map](#), on page 1478
- [fabric database profile-map global](#), on page 1479
- [fabric database refresh dot1q](#), on page 1480
- [fabric database refresh vni](#), on page 1481
- [fabric database static-host](#), on page 1482
- [fabric database type bl-dci](#), on page 1483
- [fabric database type cabling](#), on page 1484
- [fabric database type host](#), on page 1485
- [fabric database type network](#), on page 1486
- [fabric database type partition](#), on page 1487
- [fabric database type profile](#), on page 1488
- [fabric forwarding admin-distance](#), on page 1489
- [fabric forwarding anycast-gateway-mac](#), on page 1490
- [fabric forwarding dup-host-ip-addr-detection](#), on page 1491
- [fabric forwarding dup-host-recovery-timer recover-count](#), on page 1492
- [fabric forwarding dup-host-unfreeze-timer unfreeze-count](#), on page 1493
- [fabric forwarding limit-vlan-mac](#), on page 1494

- fabric forwarding mode anycast-gateway, on page 1495
- fabric forwarding mode anycast-gateway hybrid, on page 1496
- fabric forwarding selective-host-probe, on page 1497
- factory-reset factory-reset module, on page 1498
- factory-reset module all, on page 1499
- fast-convergence, on page 1500
- fast-external-fallover, on page 1501
- fast-flood enable, on page 1502
- fast-flood interval, on page 1503
- fast-reload network-os, on page 1504
- fcalias clone vsan, on page 1505
- fcalias name vsan, on page 1506
- fcalias rename vsan, on page 1507
- fcdomain abort vsan, on page 1508
- fcdomain allowed vsan, on page 1509
- fcdomain commit vsan, on page 1510
- fcdomain contiguous-allocation vsan, on page 1511
- fcdomain distribute, on page 1512
- fcdomain domain, on page 1513
- fcdomain fabric-name vsan, on page 1514
- fcdomain fcid database, on page 1515
- fcdomain fcid persistent vsan, on page 1516
- fcdomain free-fcid, on page 1517
- fcdomain optimize, on page 1518
- fcdomain priority vsan, on page 1519
- fcdomain rcf-reject vsan, on page 1520
- fcdroplateny network, on page 1521
- fcid-allocation area company-id, on page 1522
- fcinterop fcid-allocation, on page 1523
- fcinterop loop-monitor, on page 1524
- fcoe, on page 1525
- fcoe, on page 1526
- fcoe enable-fex, on page 1527
- fcoe fcf-priority, on page 1528
- fcoe fcmmap, on page 1529
- fcoe fka-adv-period, on page 1530
- fcoe veloopback, on page 1531
- fcoe vsan, on page 1532
- fcping, on page 1533
- fcs plat-check-global vsan, on page 1535
- fcs register, on page 1536
- fcs virtual-device-add, on page 1537
- fctimer D_S_TOV, on page 1538
- fctimer E_D_TOV, on page 1539
- fctimer R_A_TOV, on page 1540
- fctimer abort, on page 1541

- [fctimer commit](#), on page 1542
- [fctimer distribute](#), on page 1543
- [fctrace](#), on page 1544
- [fctrace module](#), on page 1545
- [fdmi suppress-updates vsan](#), on page 1546
- [feature-set](#), on page 1547
- [feature-set](#), on page 1548
- [feature](#), on page 1549
- [feature analytics](#), on page 1550
- [feature app-hosting](#), on page 1551
- [feature bash-shell](#), on page 1552
- [feature bfd](#), on page 1553
- [feature bgp](#), on page 1554
- [feature container-tracker](#), on page 1555
- [feature cryptopqc](#), on page 1556
- [feature dhcp](#), on page 1557
- [feature dot1x](#), on page 1558
- [feature eigrp](#), on page 1559
- [feature epbr](#), on page 1560
- [feature evb](#), on page 1561
- [feature evmed](#), on page 1562
- [feature fabric forwarding](#), on page 1563
- [feature flexlink](#), on page 1564
- [feature fport-channel-trunk](#), on page 1565
- [feature frequency-synchronization](#), on page 1566
- [feature grpc](#), on page 1567
- [feature grpctunnel](#), on page 1568
- [feature hardware-telemetry](#), on page 1569
- [feature hsrp](#), on page 1570
- [feature imp](#), on page 1571
- [feature interface-vlan](#), on page 1572
- [feature intersight](#), on page 1573
- [feature isis](#), on page 1574
- [feature itd](#), on page 1575
- [feature lacp](#), on page 1576
- [feature ldap](#), on page 1577
- [feature lldp](#), on page 1578
- [feature macsec](#), on page 1579
- [feature mdns](#), on page 1580
- [feature mpls evpn](#), on page 1581
- [feature mpls l3vpn](#), on page 1582
- [feature mpls oam](#), on page 1583
- [feature mpls segment-routing](#), on page 1584
- [feature mpls segment-routing traffic-engineering](#), on page 1585
- [feature mpls static](#), on page 1586
- [feature msdp](#), on page 1587

- [feature mvpn](#), on page 1588
- [feature nat](#), on page 1589
- [feature nbm](#), on page 1590
- [feature netconf](#), on page 1591
- [feature netflow](#), on page 1592
- [feature ngmvpn](#), on page 1593
- [feature ngoam](#), on page 1594
- [feature ngoam](#), on page 1595
- [feature npiv](#), on page 1596
- [feature npiv](#), on page 1597
- [feature ntp](#), on page 1598
- [feature nv overlay](#), on page 1599
- [feature nxapi](#), on page 1600
- [feature nxsdk](#), on page 1601
- [feature ofm](#), on page 1602
- [feature openconfig](#), on page 1603
- [feature ospf](#), on page 1604
- [feature ospfv3](#), on page 1605
- [feature password encryption aes](#), on page 1606
- [feature pbr](#), on page 1607
- [feature pim](#), on page 1608
- [feature pim6](#), on page 1609
- [feature pnp](#), on page 1610
- [feature poap](#), on page 1611
- [feature poe](#), on page 1612
- [feature pong](#), on page 1613
- [feature port-security](#), on page 1614
- [feature private-vlan](#), on page 1615
- [feature ptp](#), on page 1616
- [feature restconf](#), on page 1617
- [feature rip](#), on page 1618
- [feature scheduler](#), on page 1619
- [feature scp-server](#), on page 1620
- [feature sflow](#), on page 1621
- [feature sftp-server](#), on page 1622
- [feature signature-verification](#), on page 1623
- [feature sla responder](#), on page 1624
- [feature sla sender](#), on page 1625
- [feature sla twamp-server](#), on page 1626
- [feature srv6](#), on page 1627
- [feature ssh](#), on page 1628
- [feature tacacs](#), on page 1629
- [feature tap-aggregation](#), on page 1630
- [feature telemetry](#), on page 1631
- [feature telnet](#), on page 1632
- [feature tunnel-encryption](#), on page 1633

- feature tunnel, on page 1634
- feature udld, on page 1635
- feature vmtracker, on page 1636
- feature vn-segment-vlan-based, on page 1637
- feature vpc, on page 1638
- feature vrrp, on page 1639
- feature vrrpv3, on page 1640
- feature vtp, on page 1641
- fec, on page 1642
- fhrp delay minimum, on page 1643
- fhrp delay reload, on page 1644
- file-server, on page 1645
- filter, on page 1646
- filter, on page 1647
- filter, on page 1648
- filter access-group, on page 1649
- filter export-interval, on page 1650
- filter file, on page 1651
- filter ip, on page 1652
- filter ip access-list, on page 1653
- filter ip access-list, on page 1654
- filter ip access-list, on page 1655
- filter ipv6 access-group, on page 1656
- filter ipv6 access-list, on page 1657
- filter ipv6 access-list, on page 1658
- filter ipv6 access-list, on page 1659
- filter out, on page 1660
- filter tx control-packets, on page 1661
- filter vlan, on page 1662
- filter vlan include-untagged, on page 1663
- find, on page 1664
- fips mode enable, on page 1665
- flow-count, on page 1666
- flow-count, on page 1667
- flow-path-tracer, on page 1668
- flow collect tunnel-header, on page 1669
- flow collect tunnel-header, on page 1670
- flow collect tunnel-header, on page 1671
- flow event, on page 1672
- flow event, on page 1673
- flow exporter, on page 1674
- flow exporter, on page 1675
- flow exporter, on page 1676
- flow filter, on page 1677
- flow filter, on page 1678
- flow filter, on page 1679

- flow filter, on page 1680
- flow filter, on page 1681
- flow filter, on page 1682
- flow filter, on page 1683
- flow filter, on page 1684
- flow monitor, on page 1685
- flow monitor, on page 1686
- flow monitor, on page 1687
- flow policy, on page 1688
- flow profile, on page 1689
- flow profile, on page 1690
- flow record, on page 1691
- flow record, on page 1692
- flow record, on page 1693
- flow rtp history, on page 1694
- flow rtp timeout, on page 1695
- flow system config, on page 1696
- flow system config, on page 1697
- flow terminate interface, on page 1698
- flow timeout, on page 1699
- flow timeout, on page 1700
- flow traffic-analytics, on page 1701
- flowcontrol hardware, on page 1702
- flowcontrol receive, on page 1703
- flowlet-aging, on page 1704
- flush-routes, on page 1705
- flush-routes, on page 1706
- flush-routes, on page 1707
- flush-routes, on page 1708
- flush-routes, on page 1709
- flush-routes, on page 1710
- follow, on page 1711
- format, on page 1712
- format bootflash, on page 1713
- format bootflash check-filesystem, on page 1714
- format usb1, on page 1715
- forward, on page 1716
- fragments, on page 1717
- frequency, on page 1718
- frequency, on page 1719
- frequency milliseconds, on page 1720
- frequency synchronization, on page 1721
- frequency synchronization, on page 1722
- frequency synchronization, on page 1723
- from to, on page 1724
- from to, on page 1725

- [fspf](#), on page 1726
- [fspf config vsan](#), on page 1727
- [fspf enable vsan](#), on page 1728
- [fsync clock-identity](#), on page 1729
- [fsync esmc peer receive timeout](#), on page 1730
- [fsync quality itu-t option](#), on page 1731
- [fsync transmit dnu lag-members](#), on page 1732
- [fte event](#), on page 1733
- [fte exporter](#), on page 1734
- [fte monitor](#), on page 1735
- [fte record](#), on page 1736
- [fte system monitor](#), on page 1737
- [ftrace](#), on page 1738

fabric-advertise-pip l3

[no] fabric-advertise-pip l3

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-advertise-pip	Advertise-PIP towards fabric
l3	For evpn type-5 routes

Command Mode

- /exec/configure/config-evpn-msite-bgw

fabric-binding activate vsan

[no] fabric-binding activate vsan <i0> [[force] [no-auto-learn]]

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-binding	Fabric Binding configuration
activate	Activate Configured Fabric Bindings
vsan	VSAN id for fabric bindings
<i>i0</i>	VSAN range
force	(Optional) Activate even if it is an erroneous activation
no-auto-learn	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

fabric-binding database copy vsan

fabric-binding database copy vsan <i0>

Syntax Description

fabric-binding	Fabric binding
database	Fabric binding database
copy	Copy active to config database
vsan	VSAN Id
<i>i0</i>	VSAN range

Command Mode

- /exec

fabric-binding database diff active vsan

fabric-binding database diff active vsan <i0>

Syntax Description

fabric-binding	Fabric binding
database	Fabric binding database
diff	Difference in fabric-binding database
active	Active database wrt Configured database
vsan	VSAN Id
<i>i0</i>	VSAN number

Command Mode

- /exec

fabric-binding database diff config vsan

fabric-binding database diff config vsan <i0>

Syntax Description

fabric-binding	Fabric binding
database	Fabric binding database
diff	Difference in fabric-binding database
config	Configured database wrt Active database
vsan	VSAN Id
<i>i0</i>	VSAN number

Command Mode

- /exec

fabric-binding database vsan

[no] fabric-binding database vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-binding	Fabric Binding configuration
database	Fabric Binding Config database
vsan	VSAN id for fabric bindings
<i>i0</i>	VSAN number

Command Mode

- /exec/configure

fabric-binding fip enable

[no] fabric-binding fip enable <fip_id> <fip_action_id>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-binding	Fabric Binding configuration
fip	Fault Injection Point enabling or disabling
enable	Enabling FIP
<i>fip_id</i>	FIP Id
<i>fip_action_id</i>	FIP action ID

Command Mode

- /exec/configure

fabric-binding restart

fabric-binding restart

Syntax Description

fabric-binding	Fabric Binding configuration
restart	Restart PSM Process using FIP

Command Mode

- /exec

fabric-port-channel vhba-reset

[no] fabric-port-channel vhba-reset

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric-port-channel	Port on which this is feature is applied
vhba-reset	Send RSCNs to vhba on fabric-po member shut/down event

Command Mode

- /exec/configure

fabric-ready time

fabric-ready time <sec> | no fabric-ready time [<sec>]

Syntax Description

no	Negate a command or set its defaults
fabric-ready	fabric ready time
time	time
<i>sec</i>	time in seconds

Command Mode

- /exec/configure/if-nve

fabric database auto-pull dci node-id

fabric database auto-pull dci node-id <mgmt-ip-address>

Syntax Description

fabric	Fabric
database	Fabric Database
auto-pull	Pull configuration
dci	DCI profile
node-id	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format

Command Mode

- /exec

fabric database auto-pull dci vrf node-id

```
fabric database auto-pull dci vrf <vrf-name> node-id <mgmt-ip-address> [ peer-id <peer-ip-address> ]
```

Syntax Description

fabric	Fabric
database	Fabric Database
auto-pull	Pull configuration
dci	DCI profile
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
node-id	management ip address of this node
<i>mgmt-ip-address</i>	IP address in CIDR format
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(Optional) IP address in CIDR format

Command Mode

- /exec

fabric database inherit-profile-map

{ fabric database inherit-profile-map <id> } | { no fabric database inherit-profile-map }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
inherit-profile-map	Inherit a profile map. All non-global mappings will be inherited.
<i>id</i>	Profile Map ID

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-port-channel

fabric database mobility-domain

[no] fabric database mobility-domain <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
mobility-domain	Tag to identify mobility domain name
<i>name</i>	Mobility Domain Name

Command Mode

- /exec/configure

fabric database override-profile

[no] fabric database override-profile <profilename>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
override-profile	Override the network profile name
<i>profilename</i>	Enter the profile name to override network profile

Command Mode

- /exec/configure

fabric database override-vrf-profile

[no] fabric database override-vrf-profile <profilename>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
override-vrf-profile	Override the VRF (partition) profile name
<i>profilename</i>	Enter the profile name to override VRF profile

Command Mode

- /exec/configure

fabric database profile-map

[no] fabric database profile-map <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
profile-map	Configure a profile map
<i>id</i>	Profile Map ID

Command Mode

- /exec/configure

fabric database profile-map global

[no] fabric database profile-map global

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
profile-map	Configure a profile map
global	Global profile (apply to all interfaces)

Command Mode

- /exec/configure

fabric database refresh dot1q

fabric database refresh dot1q <vlan-id> [{ mobility-domain <name> | interface <interface-id> }]

Syntax Description

fabric	Fabric
database	Fabric Database
refresh	Refresh profile configuration
dot1q	Dot1Q Encapsulation
<i>vlan-id</i>	
interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface-id</i>	(Optional) Name of interface
mobility-domain	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>name</i>	(Optional) Mobility Domain Name

Command Mode

- /exec

fabric database refresh vni

```
fabric database refresh { vni <vni-id> | include-vrf { <vrf-name> } }
```

Syntax Description

fabric	Fabric
database	Fabric Database
refresh	Refresh profile configuration
vni	Virtual Network Identifier
<i>vni-id</i>	
include-vrf	Include VRF name
<i>vrf-name</i>	VRF name

Command Mode

- /exec

fabric database static-host

[no] fabric database static-host

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Fabric Database
static-host	Configure a static host

Command Mode

- /exec/configure

fabric database type bl-dci

[no] fabric database type bl-dci

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
bl-dci	Border Leaf - DCI

Command Mode

- /exec/configure

fabric database type cabling

[no] fabric database type cabling

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
cabling	Cable Management Database

Command Mode

- /exec/configure

fabric database type host

[no] fabric database type host

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
host	Host Database

Command Mode

- /exec/configure

fabric database type network

[no] fabric database type network

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
network	Network Database

Command Mode

- /exec/configure

fabric database type partition

[no] fabric database type partition

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
partition	Partition Database

Command Mode

- /exec/configure

fabric database type profile

[no] fabric database type profile

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
database	Configure Fabric Database
type	Configure database type
profile	Port or Switch Profile Database

Command Mode

- /exec/configure

fabric forwarding admin-distance

{ fabric forwarding admin-distance <distance> } | { no fabric forwarding admin-distance }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
admin-distance	Administrative distance for HMM host routes
<i>distance</i>	Set the administrative distance for HMM (default is 190)

Command Mode

- /exec/configure

fabric forwarding anycast-gateway-mac

```
{ fabric forwarding anycast-gateway-mac <mac-addr> } | { no fabric forwarding anycast-gateway-mac }
```

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
anycast-gateway-mac	Anycast Gateway MAC of the Switch
<i>mac-addr</i>	MAC address

Command Mode

- /exec/configure

fabric forwarding dup-host-ip-addr-detection

```
{ fabric forwarding dup-host-ip-addr-detection <mmoves> <nsecs> | no fabric forwarding  
dup-host-ip-addr-detection }
```

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host-ip-addr-detection	To detect duplicate host address in n secs
<i>mmoves</i>	Set Number of host moves to be allowed in n secs. Default is 5
<i>nsecs</i>	Set the duplicate detection timeout in secs for host moves. Default is 180

Command Mode

- /exec/configure

fabric forwarding dup-host-recovery-timer recover-count

```
{ fabric forwarding dup-host-recovery-timer <timeout> recover-count <count> | no fabric forwarding
dup-host-recovery-timer }
```

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host-recovery-timer	Refresh the frozen duplicate host
<i>timeout</i>	Set the timeout in secs to refresh the duplicate host. Default is 30 secs
recover-count	Maximum number of refreshes
<i>count</i>	Set the maximum number of host refresh. Default is 5.

Command Mode

- /exec/configure

fabric forwarding dup-host-unfreeze-timer unfreeze-count

{ fabric forwarding dup-host-unfreeze-timer <timeout> unfreeze-count <count> | no fabric forwarding dup-host-unfreeze-timer }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
dup-host-unfreeze-timer	Refresh the frozen duplicate host
<i>timeout</i>	Set the timeout in secs to refresh the duplicate host. Default is 180 secs
unfreeze-count	Maximum number of refreshes
<i>count</i>	Set the maximum number of host refresh

Command Mode

- /exec/configure

fabric forwarding limit-vlan-mac

[no] fabric forwarding limit-vlan-mac <max-limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
limit-vlan-mac	Maximum number of end-hosts allowed to have the same (vlan, MAC) mapping in a given vrf (Default is 4096)
<i>max-limit</i>	Set max-limit

Command Mode

- /exec/configure

fabric forwarding mode anycast-gateway

{ fabric forwarding mode anycast-gateway } | { no fabric forwarding mode }

Syntax Description

no	Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
mode	Forwarding Modes
anycast-gateway	Anycast Gateway Forwarding Mode

Command Mode

- /exec/configure/if-vlan /exec/configure/if-vlan-range

fabric forwarding mode anycast-gateway hybrid

[no] fabric forwarding mode anycast-gateway hybrid

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
mode	Forwarding Modes
anycast-gateway	Anycast Gateway Forwarding Mode
hybrid	Hybrid Mode

Command Mode

- /exec/configure/if-vlan /exec/configure/if-vlan-range

fabric forwarding selective-host-probe

[no] fabric forwarding selective-host-probe

Syntax Description

no	(Optional) Negate a command or set its defaults
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
selective-host-probe	Trigger unconditional host probe

Command Mode

- /exec/configure

factory-reset factory-reset module

factory-reset [bypass-secure-erase] [preserve-image] [verbose] [force] | factory-reset module <module> [bypass-secure-erase] [preserve-image] [verbose] [force]

Syntax Description

factory-reset	Erase persistent storage and reset module to factory defaults
module	Per-module factory reset
<i>module</i>	Enter module number
bypass-secure-erase	(Optional) Bypass secure erase - reformat only
preserve-image	(Optional) Preserve system image
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

factory-reset module all

factory-reset module all [bypass-secure-erase] [preserve-image] [verbose] [force]

Syntax Description

factory-reset	Erase persistent storage and reset module to factory defaults
module	Per-module factory reset
all	Select all modules
bypass-secure-erase	(Optional) Bypass secure erase - reformat only
preserve-image	(Optional) Preserve system image
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

fast-convergence

fast-convergence | no fast-convergence

Syntax Description

no	Negate a command or set its defaults
fast-convergence	Enable vPC fast-convergence

Command Mode

- /exec/configure/vpc-domain

fast-external-fallover

[no] fast-external-fallover

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-external-fallover	Immediately reset the session if the link to a directly connected BGP peer goes down

Command Mode

- /exec/configure/router-bgp

fast-flood enable

[no] fast-flood enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
enable	Turn on fast-flooding

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

fast-flood interval

[no] fast-flood interval <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
fast-flood	Fast flood the LSP's
interval	Duration/interval of the fast-flood timer.
<i>interval</i>	Specify the value (ms)

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

fast-reload network-os

fast-reload network-os <uri>

Syntax Description

fast-reload	fast-reload software
network-os	non-cisco OS
<i>uri</i>	Enter image uri

Command Mode

- /exec

fcalias clone vsan

fcalias clone <s0> <s1> vsan <i0>

Syntax Description

fcalias	Fcalias configuration commands
clone	Fcalias clone command
<i>s0</i>	Current fcalias name
<i>s1</i>	New fcalias name
vsan	clone fcalias name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

fcalias name vsan

[no] fcalias name <s0> vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcalias	Fcalias configuration commands
name	Configure an fcalias
s0	Enter the name of fcalias
vsan	Configure an fcalias on a VSAN
i0	VSAN id

Command Mode

- /exec/configure

fcalias rename vsan

fcalias rename <s0> <s1> vsan <i0>

Syntax Description

fcalias	Fcalias configuration commands
rename	Fcalias rename command
<i>s0</i>	Current fcalias name
<i>s1</i>	New fcalias name
vsan	rename fcalias name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

fcdomain abort vsan

[no] fcdomain abort vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
abort	Flush cached data without committing and release lock
vsan	Specify the vsan id
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

fcdomain allowed vsan

[no] fcdomain allowed <i0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
allowed	Configure allowed domain IDs
<i>i0</i>	Specify the allowed domain IDs
vsan	Specify the vsan id
<i>i1</i>	VSAN id

Command Mode

- /exec/configure

fcdomain commit vsan

[no] fcdomain commit vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
commit	Commit cached data and release lock
vsan	Specify the vsan id
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

fcdomain contiguous-allocation vsan

[no] fcdomain contiguous-allocation vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
contiguous-allocation	Configure the contiguous allocation option
vsan	Specify the vsan range
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

fcdomain distribute

[no] fcdomain distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
distribute	Enable fabric distribution using CFS

Command Mode

- /exec/configure

fcdomain domain

```
[no] fcdomain domain { <i0> { preferred vsan <i1> | static vsan1 <i2> } | <i3> { preferred vsan2 <i4> | static vsan3 <i5> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
domain	Configure the domain id and its type
<i>i0</i>	Configure the domain id in decimal, 0 not allowed for static dom
preferred	Configure the domain id as preferred
vsan	Specify the vsan range
<i>i1</i>	VSAN id range
static	Configure the domain id as static
vsan1	Specify the vsan range
<i>i2</i>	VSAN id range
<i>i3</i>	Configure the domain id in hexadecimal
preferred	Configure the domain id as preferred
vsan2	Specify the vsan range
<i>i4</i>	VSAN id range
static	Configure the domain id as static
vsan3	Specify the vsan range
<i>i5</i>	VSAN id range

Command Mode

- /exec/configure

fcdomain fabric-name vsan

[no] fcdomain fabric-name <wwn0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
fabric-name	Configure the fabric name
<i>wwn0</i>	Configure the fabric name value
vsan	Specify the vsan id
<i>i1</i>	VSAN id

Command Mode

- /exec/configure

fcdomain fcid database

[no] fcdomain fcid database

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
fcid	Configure fcdomain persistent FCIDs
database	Enter persistent FCIDs submode

Command Mode

- /exec/configure

fcdomain fcid persistent vsan

[no] fcdomain fcid persistent vsan <iO>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
fcid	Configure fcdomain persistent FCIDs
persistent	Enable/disable fcdomain persistent FCIDs
vsan	Specify the vsan id
<i>iO</i>	VSAN id

Command Mode

- /exec/configure

fcdomain free-fcid

```
fcdomain free-fcid [ [ uuid <i0> ] [ [ fcid <i1> ] [ [ whole-area ] [ [ wwn <wnn2> ] [ vsan <i3> ] ] ] ] ]
```

Syntax Description

fcdomain	fcdomain internal command
free-fcid	Free FCIDs based on WWN, UUID
uuid	(Optional) Specify the requester UUID
<i>i0</i>	(Optional) requester UUID
fcid	(Optional) Specify the fcid
<i>i1</i>	(Optional) FCID
whole-area	(Optional) Specify if a full area is requested
wwn	(Optional) Specify the requester's WWN
<i>wnn2</i>	(Optional) requester's WWN
vsan	(Optional) Specify the VSAN index
<i>i3</i>	(Optional) VSAN id range

Command Mode

- /exec

fcdomain optimize

[no] fcdomain optimize { fast-restart vsan <i0> | selective-restart vsan1 <i1> | scale-restart vsan2 <i2> | all vsan3 <i3> }

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
optimize	Enable optimized fcdomain behavior
fast-restart	Fast fabric reconfiguration (Fast BF)
vsan	Specify a list of vsan ranges
<i>i0</i>	VSAN id range
selective-restart	Selective fabric reconfiguration (Selective BF/RCF)
vsan1	Specify a list of vsan ranges
<i>i1</i>	VSAN id range
scale-restart	Scale restart (Consolidated EFP)
vsan2	Specify a list of vsan ranges
<i>i2</i>	VSAN id range
all	Enable all optimizations
vsan3	Specify a list of vsan ranges
<i>i3</i>	VSAN id range

Command Mode

- /exec/configure

fcdomain priority vsan

[no] fcdomain priority <i0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Enter the fcdomain configuration mode
priority	Configure the priority
<i>i0</i>	Specify the priority value
vsan	Specify the vsan range
<i>i1</i>	VSAN id range

Command Mode

- /exec/configure

fcdomain rcf-reject vsan

[no] fcdomain rcf-reject vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdomain	Configure fcdomain parameters
rcf-reject	Configure the rcf-reject flag
vsan	Specify the vsan range
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcip /exec/configure/if-tunnel /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc

fcdroplateny network

```
[no] fcdroplateny { network <i0> [ vsan <i1> ] | switch <i2> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
fcdroplateny	configure switch or network latency
network	network latency in milliseconds
<i>i0</i>	network latency in milliseconds
vsan	(Optional) VSAN id range
<i>i1</i>	(Optional)
switch	switch latency in milliseconds
<i>i2</i>	switch latency in milliseconds

Command Mode

- /exec/configure

fcid-allocation area company-id

[no] fcid-allocation area company-id <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
fcid-allocation	Add/remove company id(or OUIs) from auto area list
area	Add/remove company ids(or OUIs) to auto area list
company-id	Company id (or OUI)
i0	Enter company id(or OUI) (0xhhhhh)

Command Mode

- /exec/configure

fcinterop fcid-allocation

[no] fcinterop fcid-allocation { auto | flat | none }

Syntax Description

no	(Optional) Negate a command or set its defaults
fcinterop	Interop commands
fcid-allocation	Configure fcid interop mode
auto	Assign single fcid to compatible HBA's
flat	Assign single fcid
none	Assign fcid range

Command Mode

- /exec/configure

fcinterop loop-monitor

[no] fcinterop loop-monitor

Syntax Description

no	(Optional) Negate a command or set its defaults
fcinterop	Interop commands
loop-monitor	Configure monitoring of NL ports in loop

Command Mode

- /exec/configure

fcoe

[no] fcoe

Syntax Description

no	(Optional) Negate a command or set its default
fcoe	FCOE Congiguration

Command Mode

- /exec/configure/vlan

fcoe

[no] fcoe

Syntax Description

no	(Optional) Negate a command or set its defaults
fcoe	create fcoe associate between fex and switch

Command Mode

- /exec/configure/fex

fcoe enable-fex

[no] fcoe enable-fex

Syntax Description

no	(Optional) Negate a command or set its defaults
fcoe	FCOE command
enable-fex	Enables FCoE over FEX HIF interfaces

Command Mode

- /exec/configure

fcoe fcf-priority

fcoe fcf-priority <i0> | no fcoe fcf-priority

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
fcf-priority	FCF priority specification
<i>i0</i>	Enter FCF priority

Command Mode

- /exec/configure

fcoe fcmmap

fcoe fcmmap <i0> | no fcoe fcmmap

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
fcmmap	FC MAP specification
<i>i0</i>	Enter FCMAP

Command Mode

- /exec/configure

fcoe fka-adv-period

fcoe fka-adv-period <i0> | no fcoe fka-adv-period

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
fka-adv-period	FKA Advertisement Period
<i>i0</i>	FKA Advertisement Period (in sec)

Command Mode

- /exec/configure

fcoe vloopback

fcoe vloopback | no fcoe vloopback

Syntax Description

no	Negate a command or set its defaults
fcoe	FCOE command
vloopback	VFID check for VE ports

Command Mode

- /exec/configure

fcoe vsan

fcoe vsan <tran-id> | no fcoe vsan

Syntax Description

no	Negate a command or set its default
fcoe	FCOE Congiguration
vsan	Translated VSAN Status
<i>tran-id</i>	Enter VSAN-ID being associated with VLAN-ID

Command Mode

- /exec/configure/vlan

fcping

```
fcping { device-alias <s0> vsan <i0> [ [ count <i1> ] [ [ timeout <i2> ] [ usr-priority <i3> ] ] ] | fcid <i4>
vsan1 <i5> [ [ count1 <i6> ] [ [ timeout1 <i7> ] [ usr-priority1 <i8> ] ] ] | pwwn <wwn9> vsan2 <i10> [ [
count2 <i11> ] [ [ timeout2 <i12> ] [ usr-priority2 <i13> ] ] ] }
```

Syntax Description

fcping	Ping an N-Port
device-alias	Device-alias of the destination N-Port
s0	Enter device-alias name
vsan	vsan id of the destination N Port.
i0	The VSAN Number.
count	(Optional) Number of frames to send. A value of 0 sends forever.
i1	(Optional) Frame count
timeout	(Optional) The timeout value.
i2	(Optional) Timeout in seconds
usr-priority	(Optional) The priority the frame receives in the switch fabric
i3	(Optional) User priority
fcid	FC-id of the destination N-Port
i4	The FC-id
vsan1	vsan id of the destination N Port.
i5	The VSAN number.
count1	(Optional) Number of frames to send. A value of 0 sends forever.
i6	(Optional) Frame count
timeout1	(Optional) The timeout value.
i7	(Optional) Timeout in seconds
usr-priority1	(Optional) The priority the frame receives in the switch fabric
i8	(Optional) User priority
pwwn	PWWN of the destination N-Port
wwn9	The Port WWN
vsan2	vsan id of the destination N Port.

<i>i10</i>	The VSAN Number.
count2	(Optional) Number of frames to send. A value of 0 sends forever.
<i>i11</i>	(Optional) Frame count
timeout2	(Optional) The timeout value.
<i>i12</i>	(Optional) Timeout in seconds
usr-priority2	(Optional) The priority the frame receives in the switch fabric
<i>i13</i>	(Optional) User priority

Command Mode

- /exec

fcs plat-check-global vsan

[no] fcs plat-check-global vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
plat-check-global	Platform Name/Node Name checking to be done fabric-wide
vsan	VSAN id for plat checking
<i>i0</i>	VSAN number

Command Mode

- /exec/configure

fcs register

[no] fcs register

Syntax Description

no	(Optional) Negate a command or set its defaults
register	Register FCS attributes

Command Mode

- /exec/configure

fcs virtual-device-add

[no] fcs virtual-device-add [vsan-ranges <i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
virtual-device-add	Include Virtual devices in response
vsan-ranges	(Optional) VSAN Id
<i>i0</i>	(Optional) Enter upto 32 ranges of VSAN identifiers

Command Mode

- /exec/configure

fctimer D_S_TOV

[no] fctimer D_S_TOV <i0> [vsan <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
D_S_TOV	D_S_TOV in milliseconds(5000-10000)
<i>i0</i>	D_S_TOV in milliseconds(5000-10000)
vsan	(Optional) Specify VSAN id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec/configure

fctimer E_D_TOV

[no] fctimer E_D_TOV <i0> [vsan <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
E_D_TOV	E_D_TOV in milliseconds(1000-4000)
<i>i0</i>	E_D_TOV in milliseconds(1000-4000)
vsan	(Optional) Specify VSAN id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec/configure

fctimer R_A_TOV

[no] fctimer R_A_TOV <i0> [vsan <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
R_A_TOV	R_A_TOV in milliseconds(5000-10000)
<i>i0</i>	R_A_TOV in milliseconds(5000-10000)
vsan	(Optional) Specify VSAN id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec/configure

fctimer abort

[no] fctimer abort

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
abort	abort the fctimer configuration commands

Command Mode

- /exec/configure

fctimer commit

[no] fctimer commit

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
commit	commit the fctimer configuration commands

Command Mode

- /exec/configure

fctimer distribute

[no] fctimer distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
fctimer	configure fibre channel timers
distribute	Enable distribution of fctimer configuration using CFS

Command Mode

- /exec/configure

fctrace

```
fctrace { device-alias <s0> vsan <i0> [ timeout <i1> ] | fcid <fcid2> vsan1 <i3> [ timeout1 <i4> ] | pwwn
<wwn5> vsan2 <i6> [ timeout2 <i7> ] }
```

Syntax Description

fctrace	Trace the route for an N-Port.
device-alias	Device-alias of the destination N-Port
<i>s0</i>	Enter device-alias name
vsan	vsan id of the destination N Port.
<i>i0</i>	The VSAN Number.
timeout	(Optional) The timeout value.
<i>i1</i>	(Optional) Timeout in seconds
fcid	FC-id of the destination N-Port
<i>fcid2</i>	The FC-id
vsan1	vsan id of the destination N Port.
<i>i3</i>	The VSAN Number.
timeout1	(Optional) The timeout value.
<i>i4</i>	(Optional) Timeout in seconds
pwwn	PWWN of the destination N-Port
<i>wwn5</i>	The Port WWN
vsan2	vsan id of the destination N Port.
<i>i6</i>	The VSAN Number.
timeout2	(Optional) The timeout value.
<i>i7</i>	(Optional) Timeout in seconds

Command Mode

- /exec

fctrace module

[no] fctrace module { all | <i0> }

Syntax Description

no	Negate a command or set its defaults
fctrace	Trace the route for an N-Port.
module	Disable FCTrace on a specific module.
all	Disable FCTrace on all Gen-3 modules.
<i>i0</i>	Module Number on which FCTrace should be disabled.

Command Mode

- /exec/configure

fdmi suppress-updates vsan

[no] fdmi suppress-updates vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-updates	suppress FDMIs updates
vsan	VSAN id
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

feature-set

feature-set <fs>

Syntax Description

feature-set	Enable feature-set
<i>fs</i>	allow feature-set

Command Mode

- /exec/configure

feature-set

[no] feature-set <fs>

Syntax Description

no	Negate a command or set its defaults
feature-set	Enable feature-set
fs	allow feature-set

Command Mode

- /exec/configure

feature

[no] feature <arg1>

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Feature name
<i>arg1</i>	Enter feature name

Command Mode

- /exec/configure/rolefeaturegrp

feature analytics

[no] feature analytics

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
analytics	Enable/Disable Analytics!!!

Command Mode

- /exec/configure

feature app-hosting

[no] feature app-hosting

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
app-hosting	Enable/Disable app-hosting feature

Command Mode

- /exec/configure

feature bash-shell

[no] feature bash-shell

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
bash-shell	Enable/Disable bash-shell

Command Mode

- /exec/configure

feature bfd

[no] feature bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
bfd	bfd

Command Mode

- /exec/configure

feature bgp

[no] feature bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
bgp	Enable/Disable Border Gateway Protocol (BGP)

Command Mode

- /exec/configure

feature container-tracker

[no] feature container-tracker

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
container-tracker	Enable/Disable NXOS Container Tracker

Command Mode

- /exec/configure

feature cryptopqc

[no] feature cryptopqc

Syntax Description

no	(Optional) Negate a command or set its default
feature	Command to enable/disable features
cryptopqc	Enable/Disable CRYPTOPQC

Command Mode

- /exec/configure

feature dhcp

[no] feature dhcp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
dhcp	Enable/Disable DHCP Manager

Command Mode

- /exec/configure

feature dot1x

[no] feature dot1x

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
dot1x	Enable/Disable dot1x

Command Mode

- /exec/configure

feature eigrp

[no] feature eigrp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
eigrp	Enable/Disable Enhanced Interior Gateway Routing Protocol (EIGRP)

Command Mode

- /exec/configure

feature epbr

[no] feature epbr

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
epbr	Enable/Disable Enhanced Policy Based Routing (EPBR)

Command Mode

- /exec/configure

feature evb

[no] feature evb

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
evb	Enable/Disable Edge Virtual Bridge (EVB)

Command Mode

- /exec/configure

feature evmed

[no] feature evmed

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
evmed	Enable/Disable Generic event detectors

Command Mode

- /exec/configure

feature fabric forwarding

[no] feature fabric forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
fabric	Enable/Disable Fabric Services
forwarding	Enable/Disable Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec/configure

feature flexlink

[no] feature flexlink

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
flexlink	Enable/Disable Flexlink

Command Mode

- /exec/configure

feature fport-channel-trunk

[no] feature fport-channel-trunk

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
fport-channel-trunk	Enable/Disable Trunking F Ports and channels

Command Mode

- /exec/configure

feature frequency-synchronization

[no] feature frequency-synchronization

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
frequency-synchronization	Enable/Disable fsync

Command Mode

- /exec/configure

feature grpc

[no] feature grpc

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
grpc	Enable/Disable grpc Services

Command Mode

- /exec/configure

feature grpctunnel

[no] feature grpctunnel

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
grpctunnel	Enable/Disable grpc tunnel

Command Mode

- /exec/configure

feature hardware-telemetry

[no] feature hardware-telemetry

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
hardware-telemetry	Enable/Disable Hardware Telemetry

Command Mode

- /exec/configure

feature hsrp

[no] feature hsrp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
hsrp	Enable/Disable Hot Standby Router Protocol (HSRP)

Command Mode

- /exec/configure

feature imp

[no] feature imp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
imp	Enable/Disable IMP

Command Mode

- /exec/configure

feature interface-vlan

[no] feature interface-vlan

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
interface-vlan	Enable/Disable interface vlan

Command Mode

- /exec/configure

feature intersight

[no] feature intersight

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
intersight	Enable/Disable intersight feature

Command Mode

- /exec/configure

feature isis

[no] feature isis

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
isis	Enable/Disable IS-IS Unicast Routing Protocol (IS-IS)

Command Mode

- /exec/configure

feature itd

[no] feature itd

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
itd	Enable/Disable ITD

Command Mode

- /exec/configure

feature lacp

[no] feature lacp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
lacp	Enable/Disable LACP

Command Mode

- /exec/configure

feature ldap

[no] feature ldap

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ldap	Enable/Disable ldap

Command Mode

- /exec/configure

feature lldp

[no] feature lldp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
lldp	Enable/Disable LLDP

Command Mode

- /exec/configure

feature macsec

[no] feature macsec

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
macsec	Enable/Disable CTS

Command Mode

- /exec/configure

feature mdns

[no] feature mdns

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mdns	Enable/Disable MDNS Gateway

Command Mode

- /exec/configure

feature mpls evpn

[no] feature mpls evpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
evpn	Enable MPLS EVPN

Command Mode

- /exec/configure

feature mpls l3vpn

[no] feature mpls l3vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
l3vpn	Enable/Disable Layer 3 Virtual Private Networks

Command Mode

- /exec/configure

feature mpls oam

[no] feature mpls oam

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
oam	Enable MPLS OAM

Command Mode

- /exec/configure

feature mpls segment-routing

[no] feature mpls segment-routing

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
segment-routing	Enable Segment-routing

Command Mode

- /exec/configure

feature mpls segment-routing traffic-engineering

[no] feature mpls segment-routing traffic-engineering

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
segment-routing	Enable Segment-routing
traffic-engineering	Enable/Disable segment-routing traffic-engineering

Command Mode

- /exec/configure

feature mpls static

[no] feature mpls static

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mpls	Enable/Disable MPLS Services
static	Enable/Disable Static Labeled Paths

Command Mode

- /exec/configure

feature msdp

[no] feature msdp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
msdp	Enable/Disable Multicast Source Discovery Protocol (MSDP)

Command Mode

- /exec/configure

feature mvpn

[no] feature mvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
mvpn	Multicast Virtual Private Networks.

Command Mode

- /exec/configure

feature nat

[no] feature nat

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nat	Enable/Disable NAT

Command Mode

- /exec/configure

feature nbm

[no] feature nbm

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable a feature
nbm	Enable/Disable Non Blocking Multicast (NBM) feature

Command Mode

- /exec/configure

feature netconf

[no] feature netconf

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
netconf	Enable/Disable netconf Services

Command Mode

- /exec/configure

feature netflow

[no] feature netflow

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
netflow	Enable/Disable NetFlow

Command Mode

- /exec/configure

feature ngmvpn

[no] feature ngmvpn

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ngmvpn	Enable/Disable EVPN/MVPN features

Command Mode

- /exec/configure

feature ngoam

[no] feature ngoam

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ngoam	Enable/Disable ngoam

Command Mode

- /exec/configure

feature ngoam

[no] feature ngoam

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ngoam	Enable/Disable ngoam

Command Mode

- /exec/configure

feature npiv

[no] feature npiv

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features

Command Mode

- /exec/configure

feature npiv

[no] feature npiv

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
npiv	Enable/Disable Nx port Id Virtualization (NPiV)

Command Mode

- /exec/configure

feature ntp

[no] feature ntp

Syntax Description

no	(Optional) Negate a command or set its default
feature	Command to enable/disable features
ntp	Enable/Disable NTP

Command Mode

- /exec/configure

feature nv overlay

[no] feature nv overlay

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nv	Enable/Disable VxLAN
overlay	Enable/Disable VxLAN

Command Mode

- /exec/configure

feature nxapi

[no] feature nxapi

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nxapi	Enable/Disable nxapi

Command Mode

- /exec/configure

feature nxsdk

[no] feature nxsdk

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
nxsdk	Enable/Disable nxsdk Services

Command Mode

- /exec/configure

feature ofm

[no] feature ofm

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ofm	Enable/Disable OFM

Command Mode

- /exec/configure

feature openconfig

[no] feature openconfig

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
openconfig	Enable/Disable OpenConfig models

Command Mode

- /exec/configure

feature ospf

[no] feature ospf

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ospf	Enable/Disable Open Shortest Path First Protocol (OSPF)

Command Mode

- /exec/configure

feature ospfv3

[no] feature ospfv3

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ospfv3	Enable/Disable Open Shortest Path First Version 3 Protocol (OSPFv3)

Command Mode

- /exec/configure

feature password encryption aes

[no] feature password encryption aes [tam]

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Enable the feature
password	Credential(s) for the user(s)/device(s)
encryption	Strong encryption for credential(s)
aes	Encrypt using AES encryption standard
tam	(Optional) Encrypt type-6 master-key using hardware Trust Anchor Module(TAM)

Command Mode

- /exec/configure

feature pbr

[no] feature pbr

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pbr	Enable/Disable Policy Based Routing(PBR)

Command Mode

- /exec/configure

feature pim

[no] feature pim

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pim	Enable/Disable Protocol Independent Multicast (PIM)

Command Mode

- /exec/configure

feature pim6

[no] feature pim6

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pim6	Enable/Disable Protocol Independent Multicast (PIM) for IPv6

Command Mode

- /exec/configure

feature pnp

[no] feature pnp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pnp	Enable/Disable PNP

Command Mode

- /exec/configure

feature poap

[no] feature poap

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
poap	Enable/Disable POAP

Command Mode

- /exec/configure

feature poe

[no] feature poe

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable a feature
poe	Enable/Disable Power over Ethernet(PoE) feature

Command Mode

- /exec/configure

feature pong

[no] feature pong

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
pong	Enable/Disable Pong

Command Mode

- /exec/configure

feature port-security

[no] feature port-security

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable eth port security features
port-security	Enable/Disable port-security

Command Mode

- /exec/configure

feature private-vlan

[no] feature private-vlan

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
private-vlan	Enable/Disable private-vlan

Command Mode

- /exec/configure

feature ptp

[no] feature ptp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ptp	Enable/Disable PTP

Command Mode

- /exec/configure

feature restconf

[no] feature restconf

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
restconf	Enable/Disable restconf Services

Command Mode

- /exec/configure

feature rip

[no] feature rip

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
rip	Enable/Disable Routing Information Protocol (RIP)

Command Mode

- /exec/configure

feature scheduler

[no] feature scheduler

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
scheduler	Enable/Disable scheduler

Command Mode

- /exec/configure

feature scp-server

[no] feature scp-server

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
scp-server	Enable/Disable SCP server

Command Mode

- /exec/configure

feature sflow

[no] feature sflow

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sflow	Enable/Disable sFlow agent

Command Mode

- /exec/configure

feature sftp-server

[no] feature sftp-server

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sftp-server	Enable/Disable SFTP server

Command Mode

- /exec/configure

feature signature-verification

[no] feature signature-verification

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
signature-verification	Enable image signature verification

Command Mode

- /exec/configure

feature sla responder

[no] feature sla responder

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sla	Enable/Disable SLA
responder	Enable/Disable responder part of SLA

Command Mode

- /exec/configure

feature sla sender

[no] feature sla sender

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sla	Enable/Disable SLA
sender	Enable/Disable sender part of SLA

Command Mode

- /exec/configure

feature sla twamp-server

[no] feature sla twamp-server

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
sla	Enable/Disable SLA
twamp-server	Enable/Disable twamp-server part of SLA

Command Mode

- /exec/configure

feature srv6

[no] feature srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
srv6	Enable/Disable SRv6

Command Mode

- /exec/configure

feature ssh

[no] feature ssh

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
ssh	Enable/Disable ssh

Command Mode

- /exec/configure

feature tacacs

[no] feature tacacs +

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features

Command Mode

- /exec/configure

feature tap-aggregation

[no] feature tap-aggregation

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable a feature
tap-aggregation	Enable/Disable feature tap-aggregation

Command Mode

- /exec/configure

feature telemetry

[no] feature telemetry

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
telemetry	Enable/Disable Telemetry

Command Mode

- /exec/configure

feature telnet

[no] feature telnet

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
telnet	Enable/Disable telnet

Command Mode

- /exec/configure

feature tunnel-encryption

[no] feature tunnel-encryption

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
tunnel-encryption	Enable/Disable Tunnel Encryptiontunnel-encryption

Command Mode

- /exec/configure

feature tunnel

[no] feature tunnel

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
tunnel	Enable/Disable Tunnel Manager

Command Mode

- /exec/configure

feature udd

[no] feature udd

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
udd	Enable/Disable UDLD

Command Mode

- /exec/configure

feature vmtracker

[no] feature vmtracker

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vmtracker	Enable/Disable VM Tracker feature

Command Mode

- /exec/configure

feature vn-segment-vlan-based

[no] feature vn-segment-vlan-based

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vn-segment-vlan-based	Enable/Disable VLAN based VN segment

Command Mode

- /exec/configure

feature vpc

[no] feature vpc

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vpc	Enable/Disable VPC (Virtual Port Channel)

Command Mode

- /exec/configure

feature vrrp

[no] feature vrrp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vrrp	Enable/Disable Virtual Router Redundancy Protocol (VRRP)

Command Mode

- /exec/configure

feature vrrpv3

[no] feature vrrpv3

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vrrpv3	Enable/Disable Virtual Router Redundancy Protocol (VRRP) version 3

Command Mode

- /exec/configure

feature vtp

[no] feature vtp

Syntax Description

no	(Optional) Negate a command or set its defaults
feature	Command to enable/disable features
vtp	Enable/Disable VTP

Command Mode

- /exec/configure

fec

fec <fec_val> | no fec [<fec_val>]

Syntax Description

no	Negate a command or set its defaults
fec	Forwarding error correction
<i>fec_val</i>	Interface FEC options

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

fhrp delay minimum

[no] fhrp delay minimum | fhrp delay minimum <delay>

Syntax Description

no	Negate a command or set its defaults
fhrp	FHRP interface configuration commands
delay	Configure FHRP delay
minimum	minimum delay
<i>delay</i>	Seconds to delay

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

fhrp delay reload

[no] fhrp delay reload | fhrp delay reload <delay>

Syntax Description

no	Negate a command or set its defaults
fhrp	FHRP interface configuration commands
delay	Configure FHRP delay
reload	reload delay
<i>delay</i>	Seconds to delay

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

file-server

[no] file-server <port>

Syntax Description

no	(Optional) Negate a command or set its defaults
file-server	Hosts a file-server to a particular directory
<i>port</i>	Port number. Please do not use well-known protocol ports

Command Mode

- /exec/configure

filter

[no] filter [subject-name <s0> | altname-email <s1> | altname-upn <s2>]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Configure mapping filter
subject-name	(Optional) Subject name of the certificate
s0	(Optional) Subject name or CN=<subject-common-name-without-spaces>
altname-email	(Optional) Email id as an alternate name
s1	(Optional) Email id
altname-upn	(Optional) User principal name as an alternate name
s2	(Optional) User principal name

Command Mode

- /exec/configure/certmap-filter

filter

[no] filter <filtername>

Syntax Description

filter	Specify the filter to be applied
<i>filtername</i>	filter name to be applied

Command Mode

- /exec/configure/analytics/system

filter

[no] filter <filtername>

Syntax Description

filter	Specify the filter to be applied
<i>filtername</i>	filter name to be applied

Command Mode

- /exec/configure/nfm-system

filter access-group

[no] filter access-group <vacl-name> [allow-sharing]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
access-group	access control group
<i>vacl-name</i>	List name
allow-sharing	(Optional) allow up to 4 access control groups on same source interface

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

filter export-interval

{ [no] filter export-interval <interval> | no filter export-interval }

Syntax Description

filter	Traffic-analytics troubleshoot flows
export-interval	Specify the interval for export of traffic analytics troubleshoot flows
<i>interval</i>	Time in seconds

Command Mode

- /exec/configure/analytics/traffic-analytics

filter file

filter file { <file-name> | parser-v1.0.json } [md5 <md5-hash-value>] | no filter

Syntax Description

no	Negate a command or set its defaults
filter	Specify filter
file	Filename
md5	(Optional) md5 hash value
<i>file-name</i>	filter filename
parser-v1.0.json	Data filtering and transformation input file. version 1.0
<i>md5-hash-value</i>	(Optional) md5 hash value (32 characters) associated with this filter

Command Mode

- /exec/configure/telemetry/destination-group

filter ip

[no] filter ip <src_ip> <src_mask> <dst_ip> <dst_mask>

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Set SPAN filter options
ip	Set SPAN IP filtering options
<i>src_ip</i>	Set source IP address
<i>src_mask</i>	Set source IP mask
<i>dst_ip</i>	Set destination IP address
<i>dst_mask</i>	Set destination IP mask

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

filter ip access-list

[no] filter ip access-list <aclname>

Syntax Description

filter	Filter configuration
ip	IPv4 Filter
access-list	access-list
<i>aclname</i>	access control list name

Command Mode

- /exec/configure/config-buffer-drop-monitor

filter ip access-list

[no] filter ip access-list <aclname>

Syntax Description

filter	Filter configuration
ip	IPv4 Filter
access-list	access-list
<i>aclname</i>	access control list name

Command Mode

- /exec/configure/config-buffer-latency-monitor

filter ip access-list

[no] filter ip access-list <aclname>

Syntax Description

filter	Filter configuration
ip	IPv4 Filter
access-list	access-list
<i>aclname</i>	access control list name

Command Mode

- /exec/configure/config-int-clone-md-source-monitor

filter ipv6 access-group

[no] filter ipv6 access-group <vacl-name> [allow-sharing]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
ipv6	ipv6 access group
access-group	access control group
<i>vacl-name</i>	List name
allow-sharing	(Optional) allow up to 4 access control groups on same source interface

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

filter ipv6 access-list

[no] filter ipv6 access-list <aclname>

Syntax Description

filter	Filter configuration
ipv6	IPv6 Filter
access-list	access-list
<i>aclname</i>	IPv6 access control list name

Command Mode

- /exec/configure/config-buffer-latency-monitor

filter ipv6 access-list

[no] filter ipv6 access-list <aclname>

Syntax Description

filter	Filter configuration
ipv6	IPv6 Filter
access-list	access-list
<i>aclname</i>	IPv6 access control list name

Command Mode

- /exec/configure/config-int-clone-md-source-monitor

filter ipv6 access-list

[no] filter ipv6 access-list <aclname>

Syntax Description

filter	Filter configuration
ipv6	IPv6 Filter
access-list	access-list
<i>aclname</i>	IPv6 access control list name

Command Mode

- /exec/configure/config-buffer-drop-monitor

filter out

```
[ no | default ] { filter-list <fltrlist-name> } { out | in }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
filter-list	Apply AS-PATH filter-list
<i>fltrlist-name</i>	Name of filter-list
out	Apply policy to outgoing routes
in	Apply policy to incoming routes

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

filter tx control-packets

[no] filter tx control-packets

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Set SPAN filter options
tx	Set SPAN tx filtering options
control-packets	Filter out CPU generated packets and SPAN only data packets

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

filter vlan

[no] filter vlan <vlan_mrange> [include-untagged]

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
vlan	Vlan type
<i>vlan_mrange</i>	
include-untagged	(Optional) Include untagged frames on port with Layer 3 subinterfaces

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

filter vlan include-untagged

[no] filter vlan include-untagged

Syntax Description

no	(Optional) Negate a command or set its defaults
filter	Filter configuration
vlan	Vlan type
include-untagged	Include untagged frames on port with Layer 3 subinterfaces

Command Mode

- /exec/configure/config-monitor

find

find <*s0*>

Syntax Description

find	Find a file below the current directory
<i>s0</i>	Enter the filename prefix to search

Command Mode

- /exec

fips mode enable

[no] fips mode enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fips	Enable/Disable FIPS mode
mode	FIPS mode
enable	Enable/Disable FIPS mode

Command Mode

- /exec/configure

flow-count

[no] flow-count <count>

Syntax Description

flow-count	Flow count throttle for drop events
<i>count</i>	<1-32767>

Command Mode

- /exec/configure/config-fte-event/group-latency-events

flow-count

[no] flow-count <count>

Syntax Description

flow-count	Flow count throttle for drop events
<i>count</i>	<1-32767>

Command Mode

- /exec/configure/config-fte-event/group-drop-events

flow-path-tracer

flow-path-tracer

Syntax Description

flow-path-tracer	Enable Flow Path Tracer
------------------	-------------------------

Command Mode

- /exec

flow collect tunnel-header

[no] flow collect tunnel-header

Syntax Description

flow	Netflow
collect	Enable collection
tunnel-header	Collect header data for tunneled packets

Command Mode

- /exec/configure

flow collect tunnel-header

[no] flow collect tunnel-header

Syntax Description

flow	Analytics
collect	Enable collection
tunnel-header	Collect header data for tunneled packets

Command Mode

- /exec/configure/analytics

flow collect tunnel-header

[no] flow collect tunnel-header

Syntax Description

flow	Analytics
collect	Enable collection
tunnel-header	Collect header data for tunneled packets

Command Mode

- /exec/configure

flow event

[no] flow event <eventname>

Syntax Description

flow	Enable/Disable Analytics configuration
event	Define a event
<i>eventname</i>	Event name

Command Mode

- /exec/configure

flow event

[no] flow event <eventname>

Syntax Description

flow	Enable/Disable Analytics configuration
event	Define a event
<i>eventname</i>	Event name

Command Mode

- /exec/configure/analytics

flow exporter

[no] flow exporter <exportername>

Syntax Description

flow	Enable/Disable NetFlow configuration
exporter	Define a Flow Exporter
<i>exportername</i>	Name of Flow Exporter

Command Mode

- /exec/configure

flow exporter

[no] flow exporter <exportername>

Syntax Description

flow	Enable/Disable Mixed Mode Analytics configuration
exporter	Define a Flow Exporter
<i>exportername</i>	Name of Flow Exporter

Command Mode

- /exec/configure/analytics

flow exporter

[no] flow exporter <exportername>

Syntax Description

flow	Enable/Disable Analytics configuration
exporter	Define a Flow Exporter
<i>exportername</i>	Name of Flow Exporter

Command Mode

- /exec/configure

flow filter

[no] flow filter <filtername>

Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

Command Mode

- /exec/configure/if-vlan /exec/configure/if-eth-port-channel /exec/configure/if-igp /exec/configure/if-eth-base

flow filter

[no] flow filter <filtername>

Syntax Description

flow	Enable/Disable Analytics configuration
filter	Define a Flow filter
<i>filtername</i>	Filter name

Command Mode

- /exec/configure

flow filter

[no] flow filter <filtername>

Syntax Description

flow	NetFlow related commands
filter	Apply a Flow Filter to this VRF
<i>filtername</i>	Name of Flow Filter

Command Mode

- /exec/configure/vrf

flow filter

[no] flow filter <filtername>

Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

Command Mode

- /exec/configure/vlan-config

flow filter

[no] flow filter <filtername>

Syntax Description

flow	Enable/Disable Analytics configuration
filter	Define a Flow filter
<i>filtername</i>	Filter name

Command Mode

- /exec/configure

flow filter

[no] flow filter <filtername>

Syntax Description

flow	NetFlow related commands
filter	Apply a Flow Filter to this VRF
<i>filtername</i>	Name of Flow Filter

Command Mode

- /exec/configure/vrf

flow filter

[no] flow filter <filtername>

Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

Command Mode

- /exec/configure/if-vlan /exec/configure/if-eth-port-channel /exec/configure/if-igp

flow filter

[no] flow filter <filtername>

Syntax Description

flow	Analytics related commands
filter	Apply a Analytics Filter to this interface
<i>filtername</i>	Name of Flow Filter

Command Mode

- /exec/configure/vlan-config

flow monitor

[no] flow monitor <monitorname>

Syntax Description

flow	Enable/Disable analytics configuration
monitor	Define a Flow Monitor
<i>monitorname</i>	Name of Flow Monitor

Command Mode

- /exec/configure

flow monitor

[no] flow monitor <monitorname>

Syntax Description

flow	Enable/Disable NetFlow configuration
monitor	Define a Flow Monitor
<i>monitorname</i>	Name of Flow Monitor

Command Mode

- /exec/configure

flow monitor

[no] flow monitor <monitorname>

Syntax Description

flow	Enable/Disable analytics configuration
monitor	Define a Flow Monitor
<i>monitorname</i>	Name of Flow Monitor

Command Mode

- /exec/configure/analytics

flow policy

```
[no] flow { policy <policy-name> } [ { vlan <vlans> } { match [ ipv4-acl <ipv4-acl-name> ] [ ipv6-acl <ipv6-acl-name> ] [ mac-acl <mac-acl-name> ] [ direction <direction> ] [ next-hop-vrf { <nh-vrf-name> | default } ] } { redirect vtep-ip <next-hop> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
flow	Flow management
policy	specify policy name
<i>policy-name</i>	Flow Policy name
vlan	(Optional) apply to vlan
<i>vlans</i>	(Optional) List of VLANs
match	(Optional) match criteria
ipv4-acl	(Optional) specify ipv4-acl
<i>ipv4-acl-name</i>	(Optional) IPv4-ACL name
ipv6-acl	(Optional) specify ipv6-acl
<i>ipv6-acl-name</i>	(Optional) IPv6-ACL name
mac-acl	(Optional) specify mac-acl
<i>mac-acl-name</i>	(Optional) mac-ACL name
direction	(Optional) specify policy direction
<i>direction</i>	(Optional) direction of access or core
next-hop-vrf	(Optional) specify nexthop vrf
default	(Optional) Default next hop VRF
<i>nh-vrf-name</i>	(Optional) VRF name
redirect	(Optional) specify redirect
vtep-ip	(Optional) specify vtep-ip
<i>next-hop</i>	(Optional) IP next-hop address in format i.i.i.i

Command Mode

- /exec/configure/tunnel-profile

flow profile

[no] flow profile <profilename>

Syntax Description

flow	Enable/Disable Analytics configuration
profile	Define a Flow Profile
<i>profilename</i>	Profile name

Command Mode

- /exec/configure/analytics

flow profile

[no] flow profile <profilename>

Syntax Description

flow	Enable/Disable Analytics configuration
profile	Define a Flow Profile
<i>profilename</i>	Profile name

Command Mode

- /exec/configure

flow record

[no] flow record <recordname>

Syntax Description

flow	Enable/Disable analytics configuration
record	Define a Flow Record
<i>recordname</i>	Record name

Command Mode

- /exec/configure

flow record

[no] flow record <recordname>

Syntax Description

flow	Enable/Disable NetFlow configuration
record	Define a Flow Record
<i>recordname</i>	Record name

Command Mode

- /exec/configure

flow record

[no] flow record <recordname>

Syntax Description

flow	Enable/Disable analytics configuration
record	Define a Flow Record
<i>recordname</i>	Record name

Command Mode

- /exec/configure/analytics

flow rtp history

{ [no] flow rtp history <size> | no flow rtp history }

Syntax Description

flow	Enable/Disable NetFlow configuration
rtp	Real-time Transport Protocol
history	Define RTP Flow Error history size
<i>size</i>	# of records to retain in history. 0 to discard to not maintain any history.

Command Mode

- /exec/configure

flow rtp timeout

{ [no] flow rtp timeout <time> | no flow rtp timeout }

Syntax Description

flow	Enable/Disable NetFlow configuration
rtp	Real-time Transport Protocol
timeout	Define RTP Flow Error Monitoring Duration
<i>time</i>	Time in Minutes. Enter 0 to keep the flows even if they are idle

Command Mode

- /exec/configure

flow system config

[no] flow system config

Syntax Description

flow	Enable/Disable Analytics configuration
system	Define a Flow system
config	Define a Flow system config

Command Mode

- /exec/configure/analytics

flow system config

[no] flow system config

Syntax Description

flow	Enable/Disable Analytics configuration
system	Define a Flow system
config	Define a Flow system config

Command Mode

- /exec/configure

flow terminate interface

flow terminate interface { <interface-list> | add <add-interface-list> | remove <remove-interface-list> } | no
flow terminate interface

Syntax Description

no	Negate a command or set its defaults
flow	Flow management
interface	list of interfaces
<i>interface-list</i>	range of interfaces for flow information
add	list of new interfaces to append to old list
<i>add-interface-list</i>	range of interfaces to be added for flow information
remove	list of interfaces to be removed from the existing list
<i>remove-interface-list</i>	range of interfaces to be removed for flow information
terminate	terminate the tunnel on the interfaces

Command Mode

- /exec/configure/tunnel-profile

flow timeout

{ [no] flow timeout <time> | no flow timeout }

Syntax Description

flow	Enable/Disable NetFlow configuration
timeout	Define a Flow Timeout
<i>time</i>	Time in seconds (flush-cache-Only)

Command Mode

- /exec/configure

flow timeout

{ [no] flow timeout <time> | no flow timeout }

Syntax Description

flow	Enable/Disable analytics configuration
timeout	Define a Flow Timeout
<i>time</i>	Time in seconds (flush-cache-Only)

Command Mode

- /exec/configure

flow traffic-analytics

[no] flow traffic-analytics

Syntax Description

flow	Enable/Disable Analytics configuration
traffic-analytics	Define traffic-analytics

Command Mode

- /exec/configure/analytics

flowcontrol hardware

[no] flowcontrol hardware

Syntax Description

no	(Optional) Negate a command or set its defaults
flowcontrol	Set flow control
hardware	Set hardware flowcontrol

Command Mode

- /exec/configure/com1

flowcontrol receive

```
flowcontrol { receive { <rx_flowctrl> } | send { <tx_flowctrl> } } | no flowcontrol { receive [ { <rx_flowctrl> } ] | send [ { <tx_flowctrl> } ] }
```

Syntax Description

no	Negate a command or set its defaults
flowcontrol	Configure interface flowcontrol
receive	Receive pause frames
<i>rx_flowctrl</i>	Receive flow control
send	Send pause frames
<i>tx_flowctrl</i>	Send flow control

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

flowlet-aging

flowlet-aging <usec> | no flowlet-aging

Syntax Description

no	Negate a command or set its defaults
flowlet-aging	Aging Period in usec
<i>usec</i>	Aging Period in usec

Command Mode

- /exec/configure/dyn-loadbalancing

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes on non-graceful controlled restart

Command Mode

- /exec/configure/router-isis

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes in RIB during restart

Command Mode

- /exec/configure/router-rip

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes on a non-graceful controlled restart

Command Mode

- /exec/configure/router-ospf3

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes in RIB during restart

Command Mode

- /exec/configure/router-eigrp

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes on a non-graceful controlled restart

Command Mode

- /exec/configure/router-ospf

flush-routes

[no] flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
flush-routes	Flush routes in RIB upon controlled restart

Command Mode

- /exec/configure/router-bgp

follow

follow <name> | no follow

Syntax Description

no	Negate a command or set its defaults
follow	Group to be followed
<i>name</i>	master name string to follow

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

format

format <uri>

Syntax Description

format	Format disks
<i>uri</i>	destination filesystem path

Command Mode

- /exec

format bootflash

format bootflash:

Syntax Description

format	Format disks
bootflash:	Format bootflash:

Command Mode

- /exec

format bootflash check-filesystem

format bootflash: check-filesystem

Syntax Description

format	Format disks
bootflash:	Format bootflash:
check-filesystem	Format bootflash: and fix any errors in file system

Command Mode

- /exec

format usb1

format usb1:

Syntax Description

format	Format disks
usb1:	Format usb1:

Command Mode

- /exec

forward

[no] forward

Syntax Description

no	(Optional) Negate a command or set its defaults
forward	Configure paths

Command Mode

- /exec/configure/mpls_static/ipv4/lsp/inlabel

fragments

[no] fragments <opt_type>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>opt_type</i>	frag_op_type

Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl

frequency

[no] frequency <freq-num>

Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency interval to measure the SHM usage
<i>freq-num</i>	multiples of 500 ms interval

Command Mode

- /exec/configure/lpss-shm-mon

frequency

{ { no | default } frequency | frequency <seconds> }

Syntax Description

no	
default	Set a command to its defaults
frequency	Frequency of an operation
<i>seconds</i>	Frequency in seconds

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

frequency milliseconds

frequency milliseconds <milliseconds>

Syntax Description

frequency	Frequency of an operation
milliseconds	Frequency will be taken as milliseconds
<i>milliseconds</i>	Frequency in milliseconds

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho

frequency synchronization

[no] frequency synchronization

Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager

Command Mode

- /exec/configure/clock-if

frequency synchronization

[no] frequency synchronization

Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

frequency synchronization

[no] frequency synchronization

Syntax Description

no	(Optional) Negate a command or set its defaults
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager

Command Mode

- /exec/configure/gnss-if

from to

```
[no] { { from <frm-list> to <to-val> } | { default { <value> | copy | ignore } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
from	Map values from this
<i>frm-list</i>	Original list of values which are to be mapped
to	Map values to this
<i>to-val</i>	New mapped value
default	map default values
<i>value</i>	default value to be set
copy	Do a default copy
ignore	Ignore any unspecified values

Command Mode

- /exec/configure/table-map

from to

```
{ [ no ] { { from <frm-list> to <to-val> } | { default <value> } } } | default copy
```

Syntax Description

no	(Optional) Negate a command or set its defaults
from	Map values from this
<i>frm-list</i>	Original list of values which are to be mapped
to	Map values to this
<i>to-val</i>	New mapped value
default	map default values
<i>value</i>	default value to be set
copy	Do a default copy

Command Mode

- /exec/configure/def-tmap

fspf

```
[no] fspf { cost <i0> vsan <i1> | dead-interval <i2> vsan1 <i3> | hello-interval <i4> vsan2 <i5> | passive
vsan3 <i6> | retransmit-interval <i7> vsan4 <i8> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
cost	Configure FSPF link cost
<i>i0</i>	FSPF link cost
vsan	Enter VSAN
<i>i1</i>	VSAN id range
dead-interval	Configure FSPF dead interval
<i>i2</i>	dead interval (in sec)
vsan1	Enter VSAN
<i>i3</i>	VSAN id range
hello-interval	Configure FSPF hello-interval
<i>i4</i>	hello interval (in sec)
vsan2	Enter VSAN
<i>i5</i>	VSAN id range
passive	Enable/disable FSPF on the interface
vsan3	Enter VSAN
<i>i6</i>	VSAN id range
retransmit-interval	Configure FSPF retransmit interval
<i>i7</i>	retransmit interval (in sec)
vsan4	Enter VSAN
<i>i8</i>	VSAN id range

Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcip /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc

fspf config vsan

[no] fspf config vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
config	Enter the FSPF config mode
vsan	Enter VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

fspf enable vsan

[no] fspf enable vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
enable	Enable/disable FSPF
vsan	Enter VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

fsync clock-identity

fsync clock-identity <mac-address> | no fsync clock-identity

Syntax Description

fsync	Frequency Synchronization Manager
clock-identity	clock-identity
<i>mac-address</i>	Mac Address

Command Mode

- /exec/configure

fsync esmc peer receive timeout

fsync esmc peer receive timeout { 0 | <value> } | no fsync esmc peer receive timeout [[0 | <value>]]

Syntax Description

no	Negate a command or set its defaults
fsync	Frequency Synchronization Manager
esmc	Ethernet Synchronization Messaging Channel
peer	peer ESMC
receive	receive timer to be configured during upgrade
timeout	ESMC rcv timeout value in secs
0	0 disables modify peer esmc rcv timer
<i>value</i>	ESMC rcv timeout in secs. Enter a value between 120 and 600

Command Mode

- /exec/configure

fsync quality itu-t option

[no] fsync quality itu-t option { 1 | 2 generation { 1 | 2 } }

Syntax Description

no	(Optional) Negate a command or set its defaults
fsync	Frequency Synchronization Manager
quality	ITU-T QL options
itu-t	ITU-T QL options
option	ITU-T QL options
1	ITU-T QL option 1 (default)
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
2	ITU-T QL option 2 generation 2

Command Mode

- /exec/configure

fsync transmit dnu lag-members

[no] fsync transmit dnu lag-members

Syntax Description

no	(Optional) Negate a command or set its defaults
fsync	Frequency Synchronization Manager
transmit	transmit
dnu	DNU QL type
lag-members	members of link aggregation or PO

Command Mode

- /exec/configure

fte event

[no] fte event <eventname>

Syntax Description

fte	Enable/Disable FTE configuration
event	Define a FTE event
<i>eventname</i>	Event name

Command Mode

- /exec/configure/config-fte

fte exporter

[no] fte exporter <exportername>

Syntax Description

fte	Enable/Disable Flow Table Events configuration
exporter	Define a events Exporter
<i>exportername</i>	Name of event Exporter

Command Mode

- /exec/configure/config-fte

fte monitor

[no] fte monitor <monitorname>

Syntax Description

<code>fte</code>	Enable/Disable FTE configuration
<code>monitor</code>	Define a FTE Monitor
<i>monitorname</i>	Name of FTE Monitor

Command Mode

- /exec/configure/config-fte

fte record

[no] fte record <recordname>

Syntax Description

fte	Enable/Disable FTE configuration
record	Define a FTE Record
<i>recordname</i>	Record name

Command Mode

- /exec/configure/config-fte

fte system monitor

[no] fte system monitor <monitorname>

Syntax Description

fte	change fte global settings
system	global config
monitor	fte Monitor to be applied
<i>monitorname</i>	fte Monitor to be applied

Command Mode

- /exec/configure/config-fte

ftrace

```
ftrace [ { set-opt { option <n0> <v0> | filter <f0> <v0> } { proc <p0> | buf_size <b0> } [ <s0> ] } | { reset { all | filter <f0> | trace | <s0> } } | { enable { inband | kernel | lnd <i0> | process <i0> | trace } } | { list { filters <f0> | curr_tracer | all } } | { debug { on | off } } | { dump { all | traces } } ]
```

Syntax Description

ftrace	Run ftrace tool to enable/disable kernel/process tracing
set-opt	(Optional) Set ftrace tracing options available
reset	(Optional) Reset ftrace options to defaults, disable tracing
enable	(Optional) Enable ftrace tracing with given options
list	(Optional) List ftrace available options/filters/events
debug	(Optional) Ftrace based debug trace enable/disable
dump	(Optional) Dump traces collected in ftrace circular buffer
all	(Optional) Act on all available datasets
lnd	(Optional) Trace proc/pid specific lnd inband driver calls
inband	(Optional) Trace inband driver + netstack functions
kernel	(Optional) Trace kernel function of sched, net, inband
process	(Optional) Trace proc/pid specific kernel function calls
trace	(Optional) Enable tracing_on in ftrace settings
option	(Optional) Name of ftrace option to be set
filter	(Optional) Set ftrace filter to be applied
proc	(Optional) Set ftrace process to be traced
buf_size	(Optional) Set ftrace buffer size limits
filters	(Optional) list available ftrace filters
curr_tracer	(Optional) Print ftrace current tracer
traces	(Optional) Dump ftrace trace buffer contents
on	(Optional) Enable ftrace based debug tracing
off	(Optional) Dump ftrace trace buffer contents
<i>i0</i>	(Optional) pid of process to trace
<i>f0</i>	(Optional) name of ftrace filter to list/set

<i>n0</i>	(Optional) name of ftrace option to be set
<i>v0</i>	(Optional) value of ftrace option/filter to be set
<i>p0</i>	(Optional) pid of ftrace proc to be set
<i>b0</i>	(Optional) value of ftrace buffer size limit to set
<i>s0</i>	(Optional) name of ftrace option to be set/reset

Command Mode

- /exec



G Commands

- [generate type7_encrypted_secret](#), on page 1743
- [geneve enable](#), on page 1744
- [geneve enable](#), on page 1745
- [global-block](#), on page 1746
- [global ingress-replication protocol bgp](#), on page 1747
- [global mcast-group L2](#), on page 1748
- [global suppress-arp](#), on page 1749
- [gnss-receiver sync](#), on page 1750
- [gps-input tod-format pps-input](#), on page 1751
- [gps-output pps-output tod-format](#), on page 1752
- [graceful-restart-helper](#), on page 1753
- [graceful-restart](#), on page 1754
- [graceful-restart](#), on page 1755
- [graceful-restart](#), on page 1756
- [graceful-restart](#), on page 1757
- [graceful-restart](#), on page 1758
- [graceful-restart](#), on page 1759
- [graceful-restart](#), on page 1760
- [graceful-restart grace-period](#), on page 1761
- [graceful-restart grace-period](#), on page 1762
- [graceful-restart helper-disable](#), on page 1763
- [graceful-restart helper-disable](#), on page 1764
- [graceful-restart planned-only](#), on page 1765
- [graceful-restart planned-only](#), on page 1766
- [graceful-restart restart-time](#), on page 1767
- [graceful-restart stalepath-time](#), on page 1768
- [graceful-restart t3 manual](#), on page 1769
- [graceful-restart t3 manual](#), on page 1770
- [graceful-restart t3 manual](#), on page 1771
- [graceful-shutdown activate](#), on page 1772
- [graceful-shutdown activate](#), on page 1773
- [graceful-shutdown aware](#), on page 1774
- [graceful consistency-check](#), on page 1775

- [grep](#), on page 1776
- [grep](#), on page 1777
- [grep](#), on page 1778
- [group drop-events](#), on page 1779
- [group drop-events](#), on page 1780
- [group drop-events](#), on page 1781
- [group latency-events](#), on page 1782
- [group latency-events](#), on page 1783
- [group latency-events](#), on page 1784
- [group packet-events](#), on page 1785
- [group packet-events](#), on page 1786
- [grpc-async](#), on page 1787
- [grpc deadline](#), on page 1788
- [guest-ipaddress](#), on page 1789
- [guest-ipv6address](#), on page 1790
- [guestshell](#), on page 1791
- [gunzip](#), on page 1792
- [gzip](#), on page 1793

generate type7_encrypted_secret

generate type7_encrypted_secret

Syntax Description

generate	generate
type7_encrypted_secret	Type 7 Encrypted Secret

Command Mode

- /exec

geneve enable

[no] geneve enable

Syntax Description

geneve	Configure geneve-bit on the hardware
enable	Enable geneve-bit on the hardware

Command Mode

- /exec/configure

geneve enable

[no] geneve enable

Syntax Description

geneve	Configure geneve-bit on the hardware
enable	Enable geneve-bit on the hardware

Command Mode

- /exec/configure/analytics

global-block

```
{ { global-block <min-srgb-label> <max-srgb-label> } | { no global-block } }
```

Syntax Description

no	Negate a command or set its defaults
global-block	Specify global block range for Segment Routing bindings
<i>min-srgb-label</i>	Minimum label value
<i>max-srgb-label</i>	Maximum label value

Command Mode

- /exec/configure/config-sr-mpls

global ingress-replication protocol bgp

[no] global ingress-replication protocol bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
global	Global configurations for nve, inherited by VNIs
ingress-replication	Configure ingress replication
protocol	Control protocol to use
bgp	Border Gateway Protocol

Command Mode

- /exec/configure/if-nve

global mcast-group L2

global mcast-group { <maddr> | <m6addr> } { L2 | L3 } | no global mcast-group { L2 | L3 }

Syntax Description

no	Negate a command or set its defaults
global	Global configurations for nve, inherited by VNIs
mcast-group	NVE Multicast Group
L2	Global mcast-group <arg> for L2 VNIs
L3	Global mcast-group <arg> for L3 VNIs
<i>maddr</i>	Multicast IP Prefix

Command Mode

- /exec/configure/if-nve

global suppress-arp

[no] global suppress-arp

Syntax Description

no	(Optional) Negate a command or set its defaults
global	Global configurations for nve, inherited by VNIs
suppress-arp	Enable ARP suppression

Command Mode

- /exec/configure/if-nve

gnss-receiver sync

gnss-receiver sync <clk-interface>

Syntax Description

gnss-receiver	GNSS Receiver configuration mode
sync	For Synchronization interfaces only
<i>clk-interface</i>	Enter gnss interface: <slot-num>/<port-num>

Command Mode

- /exec/configure /exec/configure

gps-input tod-format pps-input

```
[no] gps-input tod-format <tod-format-enum> pps-input <pps-input> [ offset <offset> ] [ baud-rate <baudrate> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
gps-input	GPS Port input mode
tod-format	Configure Time-of-day input format
<i>tod-format-enum</i>	tod-format
pps-input	Configure 1PPS input mode
<i>pps-input</i>	logging input
offset	(Optional) Set a fixed offset from received TOD to translate into PTP time
<i>offset</i>	(Optional) tod-format
baud-rate	(Optional) Set the baud-rate for the ToD UART input
<i>baudrate</i>	(Optional) baud-rate in bps

Command Mode

- /exec/configure/clock-if/port-params

gps-output pps-output tod-format

[no] gps-output pps-output <pps-output> tod-format <tod-format-enum> [baud-rate <baudrate>]

Syntax Description

no	(Optional) Negate a command or set its defaults
gps-output	GPS Port output mode
pps-output	Configure 1PPS output mode
<i>pps-output</i>	logging input
tod-format	Configure Time-of-day output format
<i>tod-format-enum</i>	tod-format
baud-rate	(Optional) Set the baud-rate for the ToD UART output
<i>baudrate</i>	(Optional) baud-rate in bps

Command Mode

- /exec/configure/clock-if/port-params

graceful-restart-helper

[no] graceful-restart-helper

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart-helper	Configure Graceful Restart Helper mode functionality

Command Mode

- /exec/configure/router-bgp/vrf-cmds

graceful-restart

[no] graceful-restart

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

graceful-restart

[no] graceful-restart

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

graceful-restart

[no] graceful-restart

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

graceful-restart

```
graceful-restart [ timers { forwarding-holding <fdwg-holdtime> | max-recovery <recovery-time> |
neighbor-liveness <peer-liveness-time> } ] | no graceful-restart [ timers { forwarding-holding | max-recovery
| neighbor-liveness } ]
```

Syntax Description

no	Negate a command or set its defaults
graceful-restart	Configure LDP Graceful Restart
timers	(Optional) Configure Graceful Restart timers
forwarding-holding	(Optional) Forwarding State Holding time
<i>fdwg-holdtime</i>	(Optional) seconds
max-recovery	(Optional) Max-Recovery time
<i>recovery-time</i>	(Optional) seconds
neighbor-liveness	(Optional) Neighbor-Liveness time
<i>peer-liveness-time</i>	(Optional) seconds

Command Mode

- /exec/configure/ldp

graceful-restart

[no] graceful-restart

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure Graceful Restart functionality

Command Mode

- /exec/configure/router-bgp/vrf-cmds

graceful-restart

[no] graceful-restart

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

graceful-restart

[no] graceful-restart

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

graceful-restart grace-period

[no] graceful-restart grace-period <grace-period>

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
grace-period	Configure maximum interval to restart gracefully
<i>grace-period</i>	Grace period in seconds

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

graceful-restart grace-period

[no] graceful-restart grace-period <grace-period>

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
grace-period	Configure maximum interval to restart gracefully
<i>grace-period</i>	Grace period in seconds

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

graceful-restart helper-disable

[no] graceful-restart helper-disable

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
helper-disable	Disable helper mode

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

graceful-restart helper-disable

[no] graceful-restart helper-disable

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
helper-disable	Disable helper mode

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

graceful-restart planned-only

[no] graceful-restart planned-only

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
planned-only	Enable graceful restart only for a planned restart

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

graceful-restart planned-only

[no] graceful-restart planned-only

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
planned-only	Enable graceful restart only for a planned restart

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

graceful-restart restart-time

graceful-restart restart-time <restart-time> | no graceful-restart restart-time [<restart-time>]

Syntax Description

no	Negate a command or set its defaults
graceful-restart	Configure Graceful Restart functionality
restart-time	Maximum time for restart advertised to peers
<i>restart-time</i>	Restart time (seconds)

Command Mode

- /exec/configure/router-bgp/vrf-cmds

graceful-restart stalepath-time

graceful-restart stalepath-time <stalepath-time> | no graceful-restart stalepath-time [<stalepath-time>]

Syntax Description

no	Negate a command or set its defaults
graceful-restart	Configure Graceful Restart functionality
stalepath-time	Maximum time to keep a restarting peer's stale routes
<i>stalepath-time</i>	Stalepath time (seconds)

Command Mode

- /exec/configure/router-bgp/vrf-cmds

graceful-restart t3 manual

graceful-restart t3 manual <sec> | no graceful-restart t3 manual [<sec>]

Syntax Description

no	Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS
t3	Set the T3 (RFC 3847) graceful restart timer
manual	Change manually T3 default value
<i>sec</i>	Specify T3 value (secs)

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

graceful-restart t3 manual

graceful-restart t3 manual <sec> | no graceful-restart t3 manual [<sec>]

Syntax Description

no	Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS
t3	Set the T3 (RFC 3847) graceful restart timer
manual	Change manually T3 default value
<i>sec</i>	Specify T3 value (secs)

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

graceful-restart t3 manual

graceful-restart t3 manual <sec> | no graceful-restart t3 manual [<sec>]

Syntax Description

no	Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS
t3	Set the T3 (RFC 3847) graceful restart timer
manual	Change manually T3 default value
<i>sec</i>	Specify T3 value (secs)

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

graceful-shutdown activate

[no] graceful-shutdown activate [route-map <rmap-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-shutdown	Graceful-shutdown for BGP protocol
activate	Send graceful-shutdown community on all routes
route-map	(Optional) Apply route-map to modify attributes for outbound
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp

graceful-shutdown activate

[no | default] graceful-shutdown activate [route-map <rmap-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
graceful-shutdown	Graceful-shutdown for this neighbor
activate	Send graceful-shutdown community
route-map	(Optional) Apply route-map to modify attributes for outbound
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

graceful-shutdown aware

[no] graceful-shutdown aware

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-shutdown	Graceful-shutdown for BGP protocol
aware	Lower preference of routes carrying graceful-shutdown community

Command Mode

- /exec/configure/router-bgp

graceful consistency-check

[no] graceful consistency-check

Syntax Description

no	(Optional) Negate a command or set its defaults
graceful	Enable graceful features
consistency-check	Enable graceful type-1 consistency check

Command Mode

- /exec/configure/vpc-domain

grep

| { grep | egrep } [count | ignore-case | line-number | invert-match | word-exp | line-exp | <ctx> | next <num> | prev <num>] + <expr>

Syntax Description

	Pipe command output to filter
grep	Grep - print lines matching a pattern
egrep	Egrep - print lines matching a pattern
count	(Optional) Print a total count of matching lines only
ignore-case	(Optional) Ignore case difference when comparing strings
line-number	(Optional) Print each match preceded by its line number
invert-match	(Optional) Print only lines that contain no matches for <expr>
word-exp	(Optional) Print only lines where the match is a complete word
line-exp	(Optional) Print only lines where the match is a whole line
ctx	(Optional) Print <num> lines of context on each side of every match
next	(Optional) Print <num> lines of context after every matching line
prev	(Optional) Print <num> lines of context before every matching line
num	(Optional) Print <num> lines of context
expr	Search for the expression

Command Mode

- /output

grep

| { grep | egrep } [-c | -i | -n | -v | -w | -x | <ctx> | -A <num> | -B <num>] + <expr>

Syntax Description

	Pipe command output to filter
grep	Grep - print lines matching a pattern
egrep	Egrep - print lines matching a pattern
-c	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-i	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-n	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-v	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-w	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-x	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ctx	(Optional) Print <num> lines of context on each side of every match
-A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-B	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
num	(Optional) Print <num> lines of context
expr	Search for the expression

Command Mode

- /output

grep

| { grep | egrep } [-c | -i | -n | -v | -w | -x | <ctx> | -A <num> | -B <num>] + [--] <expr>

Syntax Description

	Pipe command output to filter
grep	Grep
egrep	Egrep
-c	(Optional) Print a total count of matching lines only
-i	(Optional) Ignore case difference when comparing strings
-n	(Optional) Print each match preceded by its line number
-v	(Optional) Print only lines that contain no matches for <expr>
-w	(Optional) Print only lines where the match is a complete word
-x	(Optional) Print only lines where the match is a whole line
ctx	(Optional) Print <num> lines of context on each side of every match
-A	(Optional) Print <num> lines of context after every matching line
-B	(Optional) Print <num> lines of context before every matching line
num	(Optional) Print <num> lines of context
--	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
expr	Search for the expression

Command Mode

- /output

group drop-events

[no] group drop-events

Syntax Description

group	Group for which the events need to be set
drop-events	Set events for drops

Command Mode

- /exec/configure/analytics/event

group drop-events

[no] group drop-events

Syntax Description

group	Group for which the events need to be set
drop-events	Set events for drops

Command Mode

- /exec/configure/config-fte-event

group drop-events

[no] group drop-events

Syntax Description

group	Group for which the events need to be set
drop-events	Set events for drops

Command Mode

- /exec/configure/nfm-event

group latency-events

[no] group latency-events

Syntax Description

group	Group for which the events need to be set
latency-events	Set events for latency events

Command Mode

- /exec/configure/nfm-event

group latency-events

[no] group latency-events

Syntax Description

group	Group for which the events need to be set
latency-events	Set events for latency events

Command Mode

- /exec/configure/config-fte-event

group latency-events

[no] group latency-events

Syntax Description

group	Group for which the events need to be set
latency-events	Set events for latency events

Command Mode

- /exec/configure/analytics/event

group packet-events

[no] group packet-events

Syntax Description

group	Group for which the events need to be set
packet-events	Set events for packet events

Command Mode

- /exec/configure/analytics/event

group packet-events

[no] group packet-events

Syntax Description

group	Group for which the events need to be set
packet-events	Set events for packet events

Command Mode

- /exec/configure/nfm-event

grpc-async

[no] grpc-async

Syntax Description

no	(Optional) Negate a command or set its defaults
grpc-async	Enable gRPC asynchronous mode

Command Mode

- /exec/configure/telemetry/destination-group/host

grpc deadline

grpc deadline <timeout> | no grpc deadline

Syntax Description

no	Negate a command or set its defaults
grpc	Specify grpc details
deadline	Specify deadline timeout
<i>timeout</i>	Set deadline timeout in seconds

Command Mode

- /exec/configure/telemetry/destination-profile

guest-ipaddress

{ guest-ipaddress <ip-prefix> | no guest-ipaddress [<ip-prefix>] }

Syntax Description

no	Negate a command or set its defaults
guest-ipaddress	guest-ipaddress and netmask length
<i>ip-prefix</i>	guest-ipaddress and netmask length

Command Mode

- /exec/configure/app-hosting-app-vnic

guest-ipv6address

{ guest-ipv6address <ipv6-prefix> | no guest-ipv6address [<ipv6-prefix>] }

Syntax Description

no	Negate a command or set its defaults
guest-ipv6address	guest-ipv6address and netmask length

Command Mode

- /exec/configure/app-hosting-app-vnic

guestshell

```
guestshell [ { enable [ { package <enable_uri> } ] } | { upgrade [ { package <upgrade_uri> } ] } | { export {
  rootfs package <export_uri> } } | { disable } | { destroy } | { reboot } | <sync_cmd_name> | { resize { rootfs
  <gsh_rootfs> | cpu <gsh_cpu> | memory <gsh_memory> } } | { run { <cmd_args> } } ]
```

Syntax Description

guestshell	Request a guest shell
enable	(Optional) Enable the guest shell service
upgrade	(Optional) Upgrade the guest shell service package to a different version
export	(Optional) Export the guest shell
<i>export_uri</i>	(Optional) Destination file or directory path
disable	(Optional) Disable the guest shell service package
destroy	(Optional) Disable and uninstall the guest shell service package
<i>sync_cmd_name</i>	(Optional) Synchronize the contents of the guest shell to standby supervisor
reboot	(Optional) Deactivate and reactivate the guest shell service
resize	(Optional) Resize the existing/default guest shell parameters
rootfs	(Optional) Guest shell root filesystem disk image
<i>gsh_rootfs</i>	(Optional) New root filesystem size (in MB)
cpu	(Optional) System CPU share allocated to guest shell
<i>gsh_cpu</i>	(Optional) New CPU share allocation (as % of system CPU)
memory	(Optional) System memory allocated to guest shell
<i>gsh_memory</i>	(Optional) New memory size (in MB)
package	(Optional) Package location
<i>enable_uri</i>	(Optional) File name for the virtual service
<i>upgrade_uri</i>	(Optional) File name for the virtual service
run	(Optional) Execute/run program in the guest shell
<i>cmd_args</i>	(Optional) Executable with optional arguments

Command Mode

- /exec

gunzip

gunzip <uri0>

Syntax Description

gunzip	Uncompresses LZ77 coded files
<i>uri0</i>	Enter filename (filename must have .gz extension)

Command Mode

- /exec

gzip

gzip <uri0>

Syntax Description

gzip	Compresses file using LZ77 coding
<i>uri0</i>	Enter filename

Command Mode

- /exec



H Commands

- [ha-policy single](#), on page 1799
- [hardware-telemetry buffer-drop](#), on page 1800
- [hardware-telemetry buffer-latency](#), on page 1801
- [hardware-telemetry inband-telemetry](#), on page 1802
- [hardware-telemetry int-clone-md](#), on page 1803
- [hardware-telemetry postcard-telemetry](#), on page 1804
- [hardware-telemetry ssx](#), on page 1805
- [hardware N2232P slow-port-error-disable-time](#), on page 1806
- [hardware N2232TM-E slow-port-error-disable-time](#), on page 1807
- [hardware UCS2204XP slow-port-error-disable-time](#), on page 1808
- [hardware UCS2208XP slow-port-error-disable-time](#), on page 1809
- [hardware access-list lou resource threshold](#), on page 1810
- [hardware access-list match inner-header](#), on page 1811
- [hardware access-list tcam label egr-l2-qos 6](#), on page 1812
- [hardware access-list tcam label ing-ifacl 6](#), on page 1813
- [hardware access-list tcam label ing-qos optimize](#), on page 1814
- [hardware access-list tcam label ing-racl 9](#), on page 1815
- [hardware access-list tcam label vrf-nat](#), on page 1816
- [hardware access-list tcam per-entry-stats template](#), on page 1817
- [hardware access-list tcam region](#), on page 1818
- [hardware access-list tcam region double-wide](#), on page 1819
- [hardware access-list tcam region ing-flow-redirect](#), on page 1820
- [hardware access-list tcam region qualify](#), on page 1821
- [hardware access-list tcam region tcp-nat](#), on page 1822
- [hardware ecmp hash-offset](#), on page 1823
- [hardware ecmp hash-polynomial](#), on page 1824
- [hardware ejector enable](#), on page 1825
- [hardware fan-sprom](#), on page 1826
- [hardware fan-zone raise-speed](#), on page 1827
- [hardware flow-table analytics-netflow](#), on page 1828
- [hardware flow-table collect-drop-reason](#), on page 1829
- [hardware flow-table collect-drop-reason](#), on page 1830
- [hardware forwarding ip statistics](#), on page 1831

- hardware forwarding l3 resource route non-deterministic, on page 1832
- hardware forwarding unicast trace, on page 1833
- hardware ip glean throttle, on page 1834
- hardware ip glean throttle maximum, on page 1835
- hardware ip glean throttle syslog, on page 1836
- hardware ip glean throttle timeout, on page 1837
- hardware ipv6 glean throttle, on page 1838
- hardware ipv6 glean throttle maximum, on page 1839
- hardware ipv6 glean throttle syslog, on page 1840
- hardware ipv6 glean throttle timeout, on page 1841
- hardware module boot-order reverse, on page 1842
- hardware multicast global-tx-span, on page 1843
- hardware profile buffer info poll-interval timer, on page 1844
- hardware profile buffer info port-threshold threshold, on page 1845
- hardware profile buffer info syslog-interval timer, on page 1846
- hardware profile buffer monitor unicast, on page 1847
- hardware profile buffer qosgroup threshold, on page 1848
- hardware profile buffer span-threshold, on page 1849
- hardware profile buffer stuck reset-reload lenient, on page 1850
- hardware profile counter-manager feature counter-scale, on page 1851
- hardware profile disable parse-err, on page 1852
- hardware profile dlb, on page 1853
- hardware profile dme load-interval, on page 1854
- hardware profile ecmp auto-recovery threshold, on page 1855
- hardware profile ecmp resilient, on page 1856
- hardware profile ecmp template module, on page 1857
- hardware profile flow-redirect forward-pdu, on page 1858
- hardware profile forwarding-mode warp, on page 1859
- hardware profile front portmode, on page 1860
- hardware profile gpe-5-timer enable, on page 1861
- hardware profile ipv6 alpm carve-value, on page 1862
- hardware profile ipv6 lpm-entries maximum, on page 1863
- hardware profile latency monitor, on page 1864
- hardware profile mdb module, on page 1865
- hardware profile module, on page 1866
- hardware profile mpls adjacency-stats bytes, on page 1867
- hardware profile mpls extended-ecmp, on page 1868
- hardware profile multicast flex-stats-enable, on page 1869
- hardware profile multicast max-limit, on page 1870
- hardware profile multicast max-limit lpm-entries, on page 1871
- hardware profile multicast nlb, on page 1872
- hardware profile multicast nlb Port-Channel, on page 1873
- hardware profile multicast optimization disable, on page 1874
- hardware profile multicast rpf-check-optimization, on page 1875
- hardware profile multicast service-reflect port, on page 1876
- hardware profile multicast slow-receiver port, on page 1877

- hardware profile multicast stats-disable, on page 1878
- hardware profile multicast syslog-threshold, on page 1879
- hardware profile npu power, on page 1880
- hardware profile packet-drop, on page 1881
- hardware profile pbr ecmp paths, on page 1882
- hardware profile pbr next-hop fast-convergence, on page 1883
- hardware profile pbr skip-selfip, on page 1884
- hardware profile pfc mmu buffer-reservation, on page 1885
- hardware profile portmode, on page 1886
- hardware profile racl priority toggle, on page 1887
- hardware profile statistics pstat, on page 1888
- hardware profile sub-interface flex-stats l3, on page 1889
- hardware profile svi-and-si flex-stats-enable, on page 1890
- hardware profile svi flex-stats-enable, on page 1891
- hardware profile tcam ipv6-sup-tcam match-inner, on page 1892
- hardware profile tcam mcast racl-bridge, on page 1893
- hardware profile tcam region, on page 1894
- hardware profile tcam region span qualify udf, on page 1895
- hardware profile tcam region spanv6-l2 qualify udf, on page 1896
- hardware profile tcam region spanv6 qualify udf, on page 1897
- hardware profile tcam resource service-template, on page 1898
- hardware profile tcam resource template, on page 1899
- hardware profile ucast6 lpm-65-to-127-max-limit, on page 1900
- hardware profile ucast6 max-limit, on page 1901
- hardware profile unicast enable-host-ecmp, on page 1902
- hardware profile unicast syslog-threshold, on page 1903
- hardware qos dynamic-buffer-sharing, on page 1904
- hardware qos fc rate-shaper, on page 1905
- hardware qos pfc mc-drop, on page 1906
- hardware sample-redirect module redirect-interface, on page 1907
- hardware switch-id, on page 1908
- hash-mode gtp, on page 1909
- head, on page 1910
- header-type 2, on page 1911
- hello-interval, on page 1912
- hello-interval, on page 1913
- hello-interval, on page 1914
- history, on page 1915
- history, on page 1916
- history, on page 1917
- history, on page 1918
- history, on page 1919
- history, on page 1920
- hold-down threshold count, on page 1921
- hold-down threshold count, on page 1922
- holdtime, on page 1923

- [hop-limit maximum](#), on page 1924
- [hop-limit minimum](#), on page 1925
- [hop](#), on page 1926
- [host-reachability protocol](#), on page 1927
- [host-reachability protocol controller](#), on page 1928
- [host](#), on page 1929
- [host group permit](#), on page 1930
- [host group permit](#), on page 1931
- [host port](#), on page 1932
- [host source group permit](#), on page 1933
- [host source group permit](#), on page 1934
- [hostname](#), on page 1935
- [hostname dynamic](#), on page 1936
- [hostname dynamic](#), on page 1937
- [hostname dynamic](#), on page 1938
- [hsrp](#), on page 1939
- [hsrp anycast](#), on page 1940
- [hsrp bfd](#), on page 1941
- [hsrp bfd all-interfaces](#), on page 1942
- [hsrp delay minimum](#), on page 1943
- [hsrp force state vlan](#), on page 1944
- [hsrp ipv6](#), on page 1945
- [hsrp mac-refresh](#), on page 1946
- [hsrp timers extended-hold](#), on page 1947
- [hsrp use-bia](#), on page 1948
- [hsrp version 1](#), on page 1949
- [http get](#), on page 1950
- [http proxy server](#), on page 1951
- [human](#), on page 1952
- [human](#), on page 1953
- [hw-module logging onboard](#), on page 1954
- [hw-module logging onboard](#), on page 1955

ha-policy single

ha-policy { single-sup <hap-change> | dual-sup <sw-change> } +

Syntax Description

ha-policy	Change HA policy for this VDC
<i>hap-change</i>	Change HA policy for this VDC
single-sup	Change HA policy for this VDC for single-sup situations
dual-sup	Change HA policy for this VDC for dual-sup situations
<i>sw-change</i>	Set hap policy

Command Mode

- /exec/configure/vdc

hardware-telemetry buffer-drop

[no] hardware-telemetry buffer-drop

Syntax Description

hardware-telemetry	Hardware telemetry configuration
buffer-drop	Enable/Disable buffer drop configuration

Command Mode

- /exec/configure

hardware-telemetry buffer-latency

[no] hardware-telemetry buffer-latency

Syntax Description

hardware-telemetry	Hardware telemetry configuration
buffer-latency	Enable/Disable Buffer Latency configuration

Command Mode

- /exec/configure

hardware-telemetry inband-telemetry

[no] hardware-telemetry inband-telemetry

Syntax Description

hardware-telemetry	Hardware telemetry configuration
inband-telemetry	Enable/Disable inband telemetry configuration

Command Mode

- /exec/configure

hardware-telemetry int-clone-md

[no] hardware-telemetry int-clone-md

Syntax Description

hardware-telemetry	Hardware telemetry configuration
int-clone-md	Enable/Disable INT Clone MD configuration

Command Mode

- /exec/configure

hardware-telemetry postcard-telemetry

[no] hardware-telemetry postcard-telemetry

Syntax Description

hardware-telemetry	Hardware telemetry configuration
postcard-telemetry	Enable/Disable postcard telemetry configuration

Command Mode

- /exec/configure

hardware-telemetry ssx

[no] hardware-telemetry ssx

Syntax Description

hardware-telemetry	Hardware Telemetry Configurations
ssx	enable Streaming Statistics Exporter Configurations

Command Mode

- /exec/configure

hardware N2232P slow-port-error-disable-time

hardware N2232P slow-port-error-disable-time <val> | no hardware N2232P slow-port-error-disable-time

Syntax Description

no	Negate the command
hardware	FEX Card type
slow-port-error-disable-time	Slow port error-disable time
N2232P	Fabric Extender 32x10G SFP+ 8x10G SFP+ Module
<i>val</i>	Error-disable time in ms

Command Mode

- /exec/configure/fex handle auto 190

hardware N2232TM-E slow-port-error-disable-time

hardware N2232TM-E slow-port-error-disable-time <val> | no hardware N2232TM-E slow-port-error-disable-time

Syntax Description

no	Negate the command
hardware	FEX Card type
slow-port-error-disable-time	Slow port error-disable time
N2232TM-E	Fabric Extender 32x10GBase-T 8x10GBase SFP+ with bcom phy
<i>val</i>	Error-disable time in ms

Command Mode

- /exec/configure/fex handle auto 190

hardware UCS2204XP slow-port-error-disable-time

hardware UCS2204XP slow-port-error-disable-time <val> | no hardware UCS2204XP
slow-port-error-disable-time

Syntax Description

no	Negate the command
hardware	FEX Card type
slow-port-error-disable-time	Slow port error-disable time
UCS2204XP	UCS IOM 4 ports
<i>val</i>	Error-disable time in ms

Command Mode

- /exec/configure/fex handle auto 190

hardware UCS2208XP slow-port-error-disable-time

hardware UCS2208XP slow-port-error-disable-time <val> | no hardware UCS2208XP slow-port-error-disable-time

Syntax Description

no	Negate the command
hardware	FEX Card type
slow-port-error-disable-time	Slow port error-disable time
UCS2208XP	UCS IOM 8 ports
<i>val</i>	Error-disable time in ms

Command Mode

- /exec/configure/fex handle auto 190

hardware access-list lou resource threshold

[no] hardware access-list lou resource threshold <threshold>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold
<i>threshold</i>	value of threshold

Command Mode

- /exec/configure

hardware access-list match inner-header

[no] hardware access-list match inner-header

Syntax Description

no	(Optional) Negate the command or set its defaults
hardware	Change hardware usage settings
access-list	Access Control List
match	Match criteria in ACL
inner-header	Match inner header fields in IPinIP/GRE packets

Command Mode

- /exec/configure

hardware access-list tcam label egr-l2-qos 6

[no] hardware access-list tcam label egr-l2-qos 6

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
label	Team entry label info
egr-l2-qos	Egress L2 qos region
6	Size in bits for IFACL-Labels allocated to Egress L2 QOS region

Command Mode

- /exec/configure

hardware access-list tcam label ing-ifacl 6

[no] hardware access-list tcam label ing-ifacl 6

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
label	Tcam entry label info
ing-ifacl	Ingress PACL region
6	Size in bits for IFACL-Labels allocated to Ingress PACL region

Command Mode

- /exec/configure

hardware access-list tcam label ing-qos optimize

[no] hardware access-list tcam label ing-qos optimize

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
label	Team entry label info
ing-qos	Ingress QOS and L3 QOS region
optimize	Optimize bits for IFACL and BD Labels allocated to QOS and L3 QOS regions

Command Mode

- /exec/configure

hardware access-list tcam label ing-racl 9

[no] hardware access-list tcam label ing-racl 9

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
label	Tcam entry label info
ing-racl	Ingress RAACL region
9	Size in bits for BD-Labels allocated to Ingress-RAACL region

Command Mode

- /exec/configure

hardware access-list tcam label vrf-nat

[no] hardware access-list tcam label vrf-nat <label_width>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
label	Team entry label info
vrf-nat	Ingress vrf-aware NAT region
<i>label_width</i>	Enter label width

Command Mode

- /exec/configure

hardware access-list tcam per-entry-stats template

hardware access-list tcam per-entry-stats template <template-type>

Syntax Description

hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
per-entry-stats	Per Entry Stats
template	Configure template-based feature stats
<i>template-type</i>	

Command Mode

- /exec/configure

hardware access-list tcam region

[no] hardware access-list tcam region <type> <tcam_size> [match-profile <match-profile-num>] [per-port-stats]

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
region	Configure tcam region
<i>type</i>	Region type
<i>tcam_size</i>	Enter tcam size
match-profile	(Optional) Tcam match filter profile
<i>match-profile-num</i>	(Optional) tcam region profile
per-port-stats	(Optional) Per Port Stats

Command Mode

- /exec/configure

hardware access-list tcam region double-wide

[no] hardware access-list tcam region <double-wide-region> <tcam_size> double-wide

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
region	Configure tcam region
<i>double-wide-region</i>	Region type
<i>tcam_size</i>	Enter tcam size
double-wide	Double Width

Command Mode

- /exec/configure

hardware access-list tcam region ing-flow-redirect

[no] hardware access-list tcam region ing-flow-redirect <tcam_size>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
region	Configure tcam region
ing-flow-redirect	Egress region in ACX
<i>tcam_size</i>	Enter tcam size

Command Mode

- /exec/configure

hardware access-list tcam region qualify

[no] hardware access-list tcam region <udf_tcam_type> qualify <udf_version> { <udf_name> } +

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
access-list	Access Control List
tcam	Configure tcam parameters
region	Configure tcam region
<i>udf_tcam_type</i>	Region type
qualify	Configure UDFs to be qualified for region
<i>udf_version</i>	UDF vesion
<i>udf_name</i>	UDF name

Command Mode

- /exec/configure

hardware access-list tcam region tcp-nat

[no] hardware access-list tcam region tcp-nat <tcam_size>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
tcam	Configure tcam parameters
region	Configure tcam region
tcp-nat	TCP NAT region within NAT region
<i>tcam_size</i>	Enter tcam size

Command Mode

- /exec/configure

hardware ecmp hash-offset

[no] hardware ecmp hash-offset <value> [concatenation] | no hardware ecmp hash-offset

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
ecmp	ECMP configuration
hash-offset	Configure hash offset
<i>value</i>	Hash offset 0-15 non-concatenate mode, 0-63 concatenate mode
concatenation	(Optional) Configure hash concatenation

Command Mode

- /exec/configure

hardware ecmp hash-polynomial

hardware ecmp hash-polynomial <poly-type> | no hardware ecmp hash-polynomial

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
ecmp	ECMP configuration
hash-polynomial	Configure hash polynomial
<i>poly-type</i>	Polynomial type

Command Mode

- /exec/configure

hardware ejector enable

[no] hardware ejector enable

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
ejector	Card ejector functionality
enable	enabled means when both ejectors are open, card is powered down

Command Mode

- /exec/configure

hardware fan-sprom

[no] hardware fan-sprom

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
fan-sprom	Enable reading of FAN SPROM on supported models

Command Mode

- /exec/configure

hardware fan-zone raise-speed

[no] hardware fan-zone <fan_zone_id> raise-speed <speed-to-raise>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
fan-zone	Fan Zone supported in the switch
<i>fan_zone_id</i>	please enter fan zone id whose speed needs to be increased
raise-speed	Speed to be added for current fan zone speed
<i>speed-to-raise</i>	please enter additional fan speed

Command Mode

- /exec/configure

hardware flow-table analytics-netflow

[no] hardware flow-table analytics-netflow

Syntax Description

hardware	Hardware Internal Information
flow-table	Flow table
analytics-netflow	Enable both features

Command Mode

- /exec/configure

hardware flow-table collect-drop-reason

[no] hardware flow-table collect-drop-reason

Syntax Description

hardware	Hardware Internal Information
flow-table	Flow table
collect-drop-reason	Enable dropCollect feature

Command Mode

- /exec/configure

hardware flow-table collect-drop-reason

[no] hardware flow-table collect-drop-reason

Syntax Description

hardware	Hardware Internal Information
flow-table	Flow table
collect-drop-reason	Enable dropCollect feature

Command Mode

- /exec/configure

hardware forwarding ip statistics

[no] hardware forwarding ip statistics

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
forwarding	forwarding information
ip	address family
statistics	enable hardware statistics

Command Mode

- /exec/configure

hardware forwarding l3 resource route non-deterministic

[no] hardware forwarding l3 resource route non-deterministic

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	hardware information
forwarding	forwarding information
l3	Layer-3
resource	hardware resources
route	TCAM capacity to hold prefixes
non-deterministic	extend upto 1M

Command Mode

- /exec/configure

hardware forwarding unicast trace

[no] hardware forwarding unicast trace

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
forwarding	Hardware forwarding
unicast	Hardware Unicast forwarding
trace	Debug traces

Command Mode

- /exec/configure

hardware ip glean throttle

[no] hardware ip glean throttle

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle

Command Mode

- /exec/configure

hardware ip glean throttle maximum

{ hardware ip glean throttle maximum <count> } | { no hardware ip glean throttle maximum }

Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle
maximum	Maximum number of entries
<i>count</i>	Count

Command Mode

- /exec/configure

hardware ip glean throttle syslog

{ hardware ip glean throttle syslog <pkt-count> } | { no hardware ip glean throttle syslog }

Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle
syslog	Threshold for syslog for number of packets hitting the entry
<i>pkt-count</i>	Packet count

Command Mode

- /exec/configure

hardware ip glean throttle timeout

{ hardware ip glean throttle timeout <timeout-in-sec> } | { no hardware ip glean throttle timeout }

Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle
timeout	Timeout
<i>timeout-in-sec</i>	Timeout value in seconds (should be multiple of 30, else will be rounded off to nearest boundary)

Command Mode

- /exec/configure

hardware ipv6 glean throttle

[no] hardware ipv6 glean throttle

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware information
ipv6	IPv6
glean	Glean
throttle	Throttle

Command Mode

- /exec/configure

hardware ipv6 glean throttle maximum

{ hardware ipv6 glean throttle maximum <count> } | { no hardware ipv6 glean throttle maximum }

Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ipv6	IPv6
glean	Glean
throttle	Throttle
maximum	Maximum number of entries
<i>count</i>	Count

Command Mode

- /exec/configure

hardware ipv6 glean throttle syslog

{ hardware ipv6 glean throttle syslog <pkt-count> } | { no hardware ipv6 glean throttle syslog }

Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ipv6	IPv6
glean	Glean
throttle	Throttle
syslog	Threshold for syslog for number of packets hitting the entry
<i>pkt-count</i>	Packet count

Command Mode

- /exec/configure

hardware ipv6 glean throttle timeout

{ hardware ipv6 glean throttle timeout <timeout-in-sec> } | { no hardware ipv6 glean throttle timeout }

Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ipv6	IPv6
glean	Glean
throttle	Throttle
timeout	Timeout
<i>timeout-in-sec</i>	Timeout value in seconds (should be multiple of 30, else will be rounded off to nearest boundary)

Command Mode

- /exec/configure

hardware module boot-order reverse

[no] hardware module boot-order reverse

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
module	applies on all the modules
boot-order	Configure order of module power-up
reverse	reverse order of module power-up

Command Mode

- /exec/configure

hardware multicast global-tx-span

[no] hardware multicast global-tx-span

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
multicast	Change multicast setting
global-tx-span	Modify table programming to support TX multicast SPAN across slices

Command Mode

- /exec/configure

hardware profile buffer info poll-interval timer

[no] hardware profile buffer info poll-interval [module <module>] timer <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
buffer	Buffer
info	Information
poll-interval	System buffer status polling interval
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
timer	Polling timer
<i>msec</i>	Polling timer value in msec

Command Mode

- /exec/configure

hardware profile buffer info port-threshold threshold

[no] hardware profile buffer info port-threshold [module <module>] threshold <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
buffer	Buffer
info	Information
port-threshold	Set port egress buffer usage threshold
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
threshold	threshold value
<i>value</i>	percentage of maximum usage

Command Mode

- /exec/configure

hardware profile buffer info syslog-interval timer

[no] hardware profile buffer info syslog-interval timer <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
buffer	Buffer
info	Information
syslog-interval	time-interval for buffer event syslogs
timer	Polling timer
<i>sec</i>	0 - syslogging off non-zero - time value in seconds

Command Mode

- /exec/configure

hardware profile buffer monitor unicast

hardware profile buffer monitor { unicast | multicast } [internal] [sampling <sampling>] [threshold <threshold>] [interface <intf-num> | sclass <sclass>] | no hardware profile buffer monitor

Syntax Description

no	Negate a command or set its defaults
hardware	Configure hardware profile buffer monitor settings
profile	profile buffer monitor settings
buffer	Buffer
monitor	buffer monitor
unicast	unicast
multicast	multicast
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sampling	(Optional) sampling interval in nano-seconds
<i>sampling</i>	(Optional) sampling interval in nano-seconds
threshold	(Optional) histogram threshold in Kbytes with 384 Kbytes increment
<i>threshold</i>	(Optional) histogram threshold in Kbytes with 384 Kbytes increment
interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>intf-num</i>	(Optional) enable buffer monitoring on an interface
sclass	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>sclass</i>	(Optional) enable buffer monitoring on a system class of services

Command Mode

- /exec/configure

hardware profile buffer qosgroup threshold

[no] hardware profile buffer qosgroup <groupid> threshold <percentage>

Syntax Description

no	(Optional) Negate the command
hardware	N3500
profile	Profile
buffer	Buffer
qosgroup	Qos-group
<i>groupid</i>	Group-id
threshold	Threshold
<i>percentage</i>	Percentage of maximum usage

Command Mode

- /exec/configure

hardware profile buffer span-threshold

[no] hardware profile buffer span-threshold <percentage>

Syntax Description

no	(Optional) Negate the command
hardware	N3500
profile	Profile
buffer	Buffer
span-threshold	Span Threshold
<i>percentage</i>	Percentage of maximum usage

Command Mode

- /exec/configure

hardware profile buffer stuck reset-reload lenient

hardware profile buffer stuck reset-reload { lenient | aggressive } | no hardware profile buffer stuck reset-reload

Syntax Description

no	Negate a command or set its defaults
hardware	Configure hardware buffer stuck reset settings
profile	profile reset settings
buffer	Buffer
stuck	stuck scenario
reset-reload	reload the switch
lenient	10 second interval buffer probing
aggressive	5 second interval buffer probing

Command Mode

- /exec/configure

hardware profile counter-manager feature counter-scale

{ [no] hardware profile counter-manager feature <feature_name> counter-scale <counter_scale> | no hardware profile counter-manager feature <feature_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Configure hardware profile setting
profile	profile settings
counter-manager	counter-manager
feature	feature_name
<i>feature_name</i>	
counter-scale	counter scale
<i>counter_scale</i>	counter number to configure

Command Mode

- /exec/configure

hardware profile disable parse-err

[no] hardware profile disable parse-err

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	Profile settings
disable	Disable
parse-err	Drops due to parse error

Command Mode

- /exec/configure

hardware profile dlb

[no] hardware profile dlb

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
dlb	Dynamic load balancing

Command Mode

- /exec/configure

hardware profile dme load-interval

```
{ hardware profile dme load-interval <load_interval> } | { no hardware profile dme load-interval }
```

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
dme	DME load-interval
load-interval	Specify interval for load calculation on phy interface
<i>load_interval</i>	Load interval delay in seconds

Command Mode

- /exec/configure

hardware profile ecmp auto-recovery threshold

hardware profile ecmp auto-recovery threshold <percentage> | no hardware profile ecmp auto-recovery threshold

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
ecmp	ECMP settings
auto-recovery	ECMP auto-recovery settings
threshold	ECMP table free percentage threshold for auto-recovery
<i>percentage</i>	Percentage

Command Mode

- /exec/configure

hardware profile ecmp resilient

[no] hardware profile ecmp resilient

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
ecmp	ECMP settings
resilient	Configure ECMP resilient mode

Command Mode

- /exec/configure

hardware profile ecmp template module

[no] hardware profile ecmp template [l3vpn] module <module>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Set hardware profile
profile	Profile settings
ecmp	set the ecmp template profile
template	set the ecmp template profile
l3vpn	(Optional) set the l3vpn ecmp template profile
module	Enter module number
<i>module</i>	

Command Mode

- /exec/configure

hardware profile flow-redirect forward-pdu

[no] hardware profile flow-redirect forward-pdu

Syntax Description

no	(Optional) Negate the command
hardware	N3500
profile	Profile
flow-redirect	FlowRedirect
forward-pdu	Forward_pdu

Command Mode

- /exec/configure

hardware profile forwarding-mode warp

[no] hardware profile forwarding-mode { warp [lpm-entry <lpm_warp> host-entry <host> l2-entry <l2> mcast-entry <mcst_warp>] | normal [lpm-entry <ipv4> mcast-entry <mcst>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
forwarding-mode	Forwarding mode setting
warp	Warp forwarding mode setting
normal	Normal forwarding mode setting
lpm-entry	(Optional) 4K aligned total IPv4 entries
<i>ipv4</i>	(Optional) 4K aligned total IPv4 entries
mcast-entry	(Optional) 4K aligned total Mcast entries
<i>mcst</i>	(Optional) 4K aligned total Mcast entries
<i>lpm_warp</i>	(Optional) 4K aligned total IPv4 entries
<i>mcst_warp</i>	(Optional) 4K aligned total Mcast entries
host-entry	(Optional) 4K aligned total Host entries
<i>host</i>	(Optional) 4K aligned total Host entries
l2-entry	(Optional) 4K aligned total L2 entries
<i>l2</i>	(Optional) 4K aligned total L2 entries

Command Mode

- /exec/configure

hardware profile front portmode

hardware profile front portmode <port-mode> | no hardware profile front portmode

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
front	port 1 QSFP/SFP+ settings
portmode	QSFP or SFP+
<i>port-mode</i>	Configure QSFP/sfp+ port mode

Command Mode

- /exec/configure

hardware profile gpe-5-timer enable

[no] hardware profile gpe-5-timer enable

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
gpe-5-timer	gpe-5-timer setting
enable	Enable periodic GPE-5 Disable/enable timer

Command Mode

- /exec/configure

hardware profile ipv6 alpm carve-value

[no] hardware profile ipv6 alpm carve-value <ipv6_alpm_carve_value>

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
ipv6	ipv6
alpm	alpm mode
carve-value	carve value
<i>ipv6_alpm_carve_value</i>	maximum entries

Command Mode

- /exec/configure

hardware profile ipv6 lpm-entries maximum

[no] hardware profile ipv6 lpm-entries maximum <ipv6_lpm_max_entry>

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
ipv6	ipv6
lpm-entries	lpm(non-host) entries
maximum	maximum limit
<i>ipv6_lpm_max_entry</i>	maximum entries

Command Mode

- /exec/configure

hardware profile latency monitor

hardware profile latency monitor [threshold-avg <threshold-avg>] [threshold-max <threshold-max>] [sampling <sampling>] | no hardware profile latency monitor

Syntax Description

no	Negate a command or set its defaults
hardware	Configure hardware profile latency monitor settings
profile	profile latency monitor settings
latency	latency
monitor	latency monitor
threshold-avg	(Optional) average latency threshold in nano-seconds
<i>threshold-avg</i>	(Optional) average latency threshold in nano-seconds
threshold-max	(Optional) maximum latency threshold in nano-seconds
<i>threshold-max</i>	(Optional) maximum latency threshold in nano-seconds
sampling	(Optional) sampling interval in seconds
<i>sampling</i>	(Optional) sampling interval in seconds

Command Mode

- /exec/configure

hardware profile mdb module

[no] hardware profile { mdb-balanced | mdb-balanced-exem } module <module>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Set hardware profile
profile	Profile settings
mdb-balanced	Set the hardware mdb profile for module to balanced
mdb-balanced-exem	Set the hardware mdb profile for module to balanced-exem
module	Enter module number
<i>module</i>	

Command Mode

- /exec/configure

hardware profile module

[no] hardware profile { vxlan | mpls | mvpn-stats | acl-stats | acl-eg-ext } module { all | <module> }

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Set hardware profile
profile	Profile settings
vxlan	Set the hardware profile for module to vxlan
mpls	Set the hardware profile for module to mpls
mvpn-stats	Set the hardware profile for module for MVPN statistics
acl-stats	Set the hardware profile for module to acl
acl-eg-ext	Set the hardware profile for module to acl-eg-ext
module	Enter module number
all	All modules
<i>module</i>	

Command Mode

- /exec/configure

hardware profile mpls adjacency-stats bytes

[no] hardware profile mpls adjacency-stats bytes

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
profile	Profile
mpls	MPLS Statistics Mode
adjacency-stats	adjacency-stats
bytes	Bytes Only

Command Mode

- /exec/configure

hardware profile mpls extended-ecmp

[no] hardware profile mpls extended-ecmp

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
profile	Profile
mpls	MPLS routing ECMP mode
extended-ecmp	extended-ecmp mode

Command Mode

- /exec/configure

hardware profile multicast flex-stats-enable

[no] hardware profile multicast flex-stats-enable

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
flex-stats-enable	Enable real time stats

Command Mode

- /exec/configure

hardware profile multicast max-limit

{ hardware profile multicast max-limit <mcast-ent> } | { no hardware profile multicast max-limit }

Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
max-limit	maximum limit for multicast entries
<i>mcast-ent</i>	Mcast Table Entries

Command Mode

- /exec/configure

hardware profile multicast max-limit lpm-entries

[no] hardware profile multicast max-limit lpm-entries <ipv4_mcast_lpm_max_entry>

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
max-limit	maximum limit for multicast entries
lpm-entries	lpm(non-host) entries
<i>ipv4_mcast_lpm_max_entry</i>	maximum entries

Command Mode

- /exec/configure

hardware profile multicast nlb

[no] hardware profile multicast nlb

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
nlb	network load balancing for multicast entries

Command Mode

- /exec/configure

hardware profile multicast nlb Port-Channel

[no] hardware profile multicast nlb Port-Channel

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
nlb	network load balancing for multicast entries
Port-Channel	Multicast NLB on a stick port-channel configuration

Command Mode

- /exec/configure

hardware profile multicast optimization disable

[no] hardware profile multicast optimization disable

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Set hardware profile
profile	Profile settings
multicast	set multicast profile
optimization	set multicast optimization profile
disable	set the multicast optimization disable profile

Command Mode

- /exec/configure

hardware profile multicast rpf-check-optimization

```
{ hardware profile multicast rpf-check-optimization } | { no hardware profile multicast rpf-check-optimization }  
}
```

Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
rpf-check-optimization	RPF Check optimization on Monticello ASIC

Command Mode

- /exec/configure

hardware profile multicast service-reflect port

```
{ hardware profile multicast service-reflect port <port-num> } | { no hardware profile multicast service-reflect
}
```

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
service-reflect	service-reflect settings
port	loopback port
<i>port-num</i>	loopback port-num

Command Mode

- /exec/configure

hardware profile multicast slow-receiver port

hardware profile multicast slow-receiver port <port> | no hardware profile multicast slow-receiver port <port>

Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	Profile
multicast	Multicast settings
slow-receiver	Multicast slow receiver
port	Port
<i>port</i>	Port number

Command Mode

- /exec/configure

hardware profile multicast stats-disable

[no] hardware profile multicast stats-disable

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
stats-disable	Disable multicast stats

Command Mode

- /exec/configure

hardware profile multicast syslog-threshold

[no] hardware profile multicast syslog-threshold <percentage>

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
syslog-threshold	MROUTE table syslog threshold
<i>percentage</i>	Percentage (Default is 90)

Command Mode

- /exec/configure

hardware profile npu power

```
[no] hardware profile npu power { { fabric <fm_profile> } | { linecard <lc_profile> module <module> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
profile	Hardware profile
npu	npu power profile
power	npu power profile
fabric	fabric card
linecard	line card
<i>lc_profile</i>	Enter the linecard profile
<i>fm_profile</i>	Enter the fabric profile
module	module
<i>module</i>	please enter the module number

Command Mode

- /exec/configure

hardware profile packet-drop

[no] hardware profile packet-drop

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
packet-drop	Configure Packet Drop parameters

Command Mode

- /exec/configure

hardware profile pbr ecmp paths

[no] hardware profile pbr ecmp paths <maxpath>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
pbr	Policy based routing
ecmp	Equal cost multi path
paths	ecmp path
<i>maxpath</i>	Maximum ecmp paths

Command Mode

- /exec/configure

hardware profile pbr next-hop fast-convergence

[no] hardware profile pbr next-hop fast-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
pbr	Policy-based Routing feature settings
next-hop	PBR next-hop
fast-convergence	Enable/Disable PBR fast convergence

Command Mode

- /exec/configure

hardware profile pbr skip-selfip

[no] hardware profile pbr skip-selfip

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
pbr	PBR feature settings
skip-selfip	Configure Skipping PBR for self-ip packets

Command Mode

- /exec/configure

hardware profile pfc mmu buffer-reservation

[no] hardware profile pfc mmu buffer-reservation <percentage>

Syntax Description

no	(Optional) Negate the command
hardware	Hardware Internal Information
profile	profile settings
pfc	System level priority-flow-control settings
mmu	Hardware memory management unit configuration
buffer-reservation	Shared pool buffer reservation
<i>percentage</i>	Percentage of shared pool buffers to be reserved

Command Mode

- /exec/configure

hardware profile portmode

{ hardware profile portmode <port-mode> [2-tuple] } | no hardware profile portmode

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
portmode	QSFP port mode setting
<i>port-mode</i>	Configure QSFP port mode
2-tuple	(Optional) Display QSFP portnames in 2-tuple mode even in 10G mode

Command Mode

- /exec/configure

hardware profile racl priority toggle

[no] hardware profile racl priority toggle

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
racl	RACL settings
priority	Configure team parameters
toggle	High Priority for RACL than NAT and VACL

Command Mode

- /exec/configure

hardware profile statistics pstat

[no] hardware profile statistics pstat [peak]

Syntax Description

no	(Optional) Negate the command
hardware	Configure hardware profile setting
profile	profile settings
statistics	hardware stats
pstat	Enable Pstat default is instantaneous
peak	(Optional) Peak stats

Command Mode

- /exec/configure

hardware profile sub-interface flex-stats l3

hardware profile sub-interface flex-stats { l3 | l2 } | no hardware profile sub-interface flex-stats

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
sub-interface	For sub-interface settings
flex-stats	Enable real time stats
l3	Enable L3 SI Stats
l2	Enable L2 SI Stats

Command Mode

- /exec/configure

hardware profile svi-and-si flex-stats-enable

[no] hardware profile svi-and-si flex-stats-enable

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
svi-and-si	For svi-and-si settings
flex-stats-enable	Enable real time stats

Command Mode

- /exec/configure

hardware profile svi flex-stats-enable

[no] hardware profile svi flex-stats-enable

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
svi	For SVI settings (in unicast SVI, in UMF VLAN, in/out UMF VXLAN)
flex-stats-enable	Enable real time stats

Command Mode

- /exec/configure

hardware profile tcam ipv6-sup-tcam match-inner

```
{ hardware profile tcam ipv6-sup-tcam match-inner } | { no hardware profile tcam ipv6-sup-tcam match-inner }  
}
```

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
ipv6-sup-tcam	IPv6 SUP TCAM parameters
match-inner	match inner payload for tunnel packets

Command Mode

- /exec/configure

hardware profile tcam mcast racl-bridge

{ hardware profile tcam mcast racl-bridge } | { no hardware profile tcam mcast racl-bridge }

Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
mcast	multicast address access
racl-bridge	apply permit/drop for mcast bridged pkt

Command Mode

- /exec/configure

hardware profile tcam region

```
[no] hardware profile tcam region { <tcam_compat_type> <tcam_compat_size> | ifacl <tcam_compat_size>
[ double-wide ] | nat <tcam_compat_size> | ifacl-wide <ifacl_wide_tcam_size> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
profile	profile
tcam	Configure tcam parameters
region	Configure tcam region
ifacl	IPV4 PACL size
double-wide	(Optional) Configure tcam as double wide
nat	NAT size
ifacl-wide	IFACL WIDE Size
<i>tcam_compat_type</i>	
<i>tcam_compat_size</i>	Enter tcam size
<i>ifacl_wide_tcam_size</i>	Enter tcam size

Command Mode

- /exec/configure

hardware profile tcam region span qualify udf

[no] hardware profile tcam region span qualify udf { <udf_name> } +

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
region	Configure tcam region
span	Configure for span region
qualify	Configure UDFs to be qualified for span region
udf	Configure UDF names
<i>udf_name</i>	UDF name

Command Mode

- /exec/configure

hardware profile tcam region spanv6-l2 qualify udf

[no] hardware profile tcam region spanv6-l2 qualify udf { <udf_name> } +

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
region	Configure tcam region
spanv6-l2	Configure for span region
qualify	Configure UDFs to be qualified for span region
udf	Configure UDF names
<i>udf_name</i>	UDF name

Command Mode

- /exec/configure

hardware profile tcam region spanv6 qualify udf

[no] hardware profile tcam region spanv6 qualify udf { <udf_name> } +

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
region	Configure tcam region
spanv6	Configure for span region
qualify	Configure UDFs to be qualified for span region
udf	Configure UDF names
<i>udf_name</i>	UDF name

Command Mode

- /exec/configure

hardware profile tcam resource service-template

[no] hardware profile tcam resource service-template { <name> } [module { <lc> | <fm> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
resource	Configure tcam hardware resources
service-template	Commit template
<i>name</i>	Select name of template
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>lc</i>	(Optional) line card number
<i>fm</i>	(Optional) fabric module number

Command Mode

- /exec/configure handle auto 424

hardware profile tcam resource template

```
[no] hardware profile tcam resource template { <name> { ref-template <temp-nontahoe> | ref-template-tahoe
<temp-tahoe> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
resource	Configure tcam hardware resources
template	Configure template based tcam carving parameters
ref-template	Select a default template as reference
<i>temp-nontahoe</i>	
ref-template-tahoe	Select a default template as reference
<i>temp-tahoe</i>	
<i>name</i>	Create/Select name of custom template

Command Mode

- /exec/configure

hardware profile ucast6 lpm-65-to-127-max-limit

```
{ hardware profile ucast6 lpm-65-to-127-max-limit <unicast-ent> } | { no hardware profile ucast6 lpm-65-to-127-max-limit }
```

Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
ucast6	unicast ipv6 settings
lpm-65-to-127-max-limit	maximum limit for unicast ipv6 lpm-65-to-127 entries, default is 256
<i>unicast-ent</i>	Unicast ipv6 lpm-65-to-127 Table Entries

Command Mode

- /exec/configure

hardware profile ucast6 max-limit

{ hardware profile ucast6 max-limit <unicast-ent> } | { no hardware profile ucast6 max-limit }

Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
ucast6	unicast ipv6 settings
max-limit	maximum limit for unicast ipv6 entries
<i>unicast-ent</i>	Unicast ipv6 Table Entries

Command Mode

- /exec/configure

hardware profile unicast enable-host-ecmp

[no] hardware profile unicast enable-host-ecmp [arp-nd | [ipv4 [arp]] | [ipv6 [nd]]]

Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
unicast	Unicast settings
enable-host-ecmp	Enable ECMP support for /32 (IPv4) and /128 (IPv6) routes
ipv4	(Optional) Enable ECMP support for /32 (IPv4 Only) Routes
ipv6	(Optional) Enable ECMP support for /128 (IPv6 Only) Routes
arp-nd	(Optional) Retain ARP (IPv4) and ND (IPv6) Routes in Host-Table
arp	(Optional) Retain ARP Entries in Host-Table
nd	(Optional) Retain ND Entries in Host-Table

Command Mode

- /exec/configure

hardware profile unicast syslog-threshold

```
{ hardware profile unicast syslog-threshold <percentage> } | { no hardware profile unicast syslog-threshold }  
}
```

Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
unicast	Unicast settings
syslog-threshold	Unicast Route table syslog threshold
<i>percentage</i>	Percentage

Command Mode

- /exec/configure

hardware qos dynamic-buffer-sharing

[no] hardware qos dynamic-buffer-sharing

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
qos	Configure qos related configuration
dynamic-buffer-sharing	Enable dynamic buffer sharing

Command Mode

- /exec/configure

hardware qos fc rate-shaper

[no] hardware qos fc rate-shaper [low]

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
qos	Configure qos related configuration
fc	Fibre Channel interface related configuration
rate-shaper	Rate Shaper for FC interface
low	(Optional) Configure FC interface low rate shaper

Command Mode

- /exec/configure

hardware qos pfc mc-drop

[no] hardware qos pfc mc-drop

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
qos	Configure qos related configuration
pfc	Priority-flow-control specific configuration
mc-drop	Multicast packets are dropped in lossless queue

Command Mode

- /exec/configure

hardware sample-redirect module redirect-interface

hardware sample-redirect module <num> redirect-interface <interface>

Syntax Description

hardware	Change hardware usage settings
sample-redirect	Redirect netflow sampled data
module	Line card module
<i>num</i>	slot number
redirect-interface	Interface for redirecting the traffic
<i>interface</i>	Interface Name

Command Mode

- /exec

hardware switch-id

[no] hardware switch-id <id-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Configuration commands
switch-id	Switch-ID Configuration
<i>id-val</i>	Switch=ID value

Command Mode

- /exec/configure

hash-mode gtp

hash-mode { gtp-inner-v4 | gtp-inner-v6 } | no hash-mode { gtp-inner-v4 | gtp-inner-v6 }

Syntax Description

no	Negate a command or set its defaults
hash-mode	hash-mode
gtp-inner-v4	gtp-inner-v4
gtp-inner-v6	gtp-inner-v6

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

head

| head [-n <lines>]

Syntax Description

	Pipe command output to filter
head	Display first lines
-n	(Optional) modify number of lines (default 10)
<i>lines</i>	(Optional) number of lines to print

Command Mode

- /output

header-type 2

[no] header-type { 2 | 3 [rfc-compliant] }

Syntax Description

no	(Optional) Negate a command or set its defaults
header-type	Set ERSPAN Source version
2	ERSPAN Source Version 2
3	ERSPAN Source Version 3
rfc-compliant	(Optional) ERSPAN V3 header rfc-compliant

Command Mode

- /exec/configure/config-monitor-erspan-src

hello-interval

{ { hello-interval <interval> } | { no hello-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
hello-interval	Hello interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

hello-interval

```
{ { hello-interval <interval> } | { no hello-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
hello-interval	Hello interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

hello-interval

```
{ { hello-interval <interval> } | { no hello-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
hello-interval	Hello interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

history

```
{ no | default } history { { distributions-of-statistics-kept } | { enhanced [ interval [ <interval-seconds> [ buckets [ <num-buckets> ] ] ] ] } | { hours-of-statistics-kept } | { statistics-distribution-interval } }
```

Syntax Description

no	
default	Set a command to its defaults
history	History and Distribution Data
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
enhanced	Enable enhanced history collection
interval	(Optional) Aggregation interval
<i>interval-seconds</i>	(Optional) Interval in seconds
buckets	(Optional) Number of buckets to collect data
<i>num-buckets</i>	(Optional) Number of buckets
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
statistics-distribution-interval	Statistics distribution interval size

Command Mode

- /exec/configure/ip-sla/jitter

history

```
{ no | default } history { { buckets-kept } | { distributions-of-statistics-kept } | { enhanced [ interval [
<interval-seconds> [ buckets [ <num-buckets> ] ] ] ] } | { filter } | { hours-of-statistics-kept } | { lives-kept }
| { statistics-distribution-interval } }
```

Syntax Description

no	
default	Set a command to its defaults
history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
enhanced	Enable enhanced history collection
interval	(Optional) Aggregation interval
<i>interval-seconds</i>	(Optional) Interval in seconds
buckets	(Optional) Number of buckets to collect data
<i>num-buckets</i>	(Optional) Number of buckets
filter	Add operation to History when...
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
lives-kept	Maximum number of history lives to collect
statistics-distribution-interval	Statistics distribution interval size

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho

history

```
history { { buckets-kept <num-buckets-kept> } | { distributions-of-statistics-kept <num-dist-stats> } | {
enhanced interval <interval-seconds> buckets <num-buckets> } | { filter { all | failures | none | overThreshold
} } | { hours-of-statistics-kept <num-hours-of-stats> } | { lives-kept <life-size-value> } | {
statistics-distribution-interval <dist-interval> } }
```

Syntax Description

history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
<i>num-buckets-kept</i>	Bucket size value (default 15)
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
<i>num-dist-stats</i>	Distribution bucket size value (default 1)
enhanced	Enable enhanced history collection
interval	Aggregation interval
<i>interval-seconds</i>	Interval in seconds
buckets	Number of buckets to collect data
<i>num-buckets</i>	Number of buckets
filter	Add operation to History when...
all	Collect every operation in History
failures	Collect operations that fail in History
none	Shutoff History collection
overThreshold	Collect operations that are over threshold in History
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
<i>num-hours-of-stats</i>	Hour groups size value (default 2)
lives-kept	Maximum number of history lives to collect
<i>life-size-value</i>	Life size value (default 0)
statistics-distribution-interval	Statistics distribution interval size
<i>dist-interval</i>	Distribution interval value in msec (default 20ms), Value in usec if precision microsecond is enabled

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho

history

```
{ no | default } history { { buckets-kept } | { distributions-of-statistics-kept } | { filter } | {
hours-of-statistics-kept } | { lives-kept } | { statistics-distribution-interval } }
```

Syntax Description

no	
default	Set a command to its defaults
history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
filter	Add operation to History when...
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
lives-kept	Maximum number of history lives to collect
statistics-distribution-interval	Statistics distribution interval size

Command Mode

- /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho /exec/configure/ip-sla/http

history

```
history { { buckets-kept <num-buckets-kept> } | { distributions-of-statistics-kept <num-dist-stats> } | { filter
{ all | failures | none | overThreshold } } | { hours-of-statistics-kept <num-hours-of-stats> } | { lives-kept
<life-size-value> } | { statistics-distribution-interval <dist-interval> } }
```

Syntax Description

history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
<i>num-buckets-kept</i>	Bucket size value (default 15)
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
<i>num-dist-stats</i>	Distribution bucket size value (default 1)
filter	Add operation to History when...
all	Collect every operation in History
failures	Collect operations that fail in History
none	Shutoff History collection
overThreshold	Collect operations that are over threshold in History
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
<i>num-hours-of-stats</i>	Hour groups size value (default 2)
lives-kept	Maximum number of history lives to collect
<i>life-size-value</i>	Life size value (default 0)
statistics-distribution-interval	Statistics distribution interval size
<i>dist-interval</i>	Distribution interval value in msec (default 20ms), Value in usec if precision microsecond is enabled

Command Mode

- /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho /exec/configure/ip-sla/http

history

```
history { { distributions-of-statistics-kept <num-dist-stats> } | { enhanced interval <interval-seconds> buckets
<num-buckets> } | { hours-of-statistics-kept <num-hours-of-stats> } | { statistics-distribution-interval
<dist-interval> } }
```

Syntax Description

history	History and Distribution Data
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
<i>num-dist-stats</i>	Distribution bucket size value (default 1)
enhanced	Enable enhanced history collection
interval	Aggregation interval
<i>interval-seconds</i>	Interval in seconds
buckets	Number of buckets to collect data
<i>num-buckets</i>	Number of buckets
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
<i>num-hours-of-stats</i>	Hour groups size value (default 2)
statistics-distribution-interval	Statistics distribution interval size
<i>dist-interval</i>	Distribution interval value in msec (default 20ms), Value in usec if precision microsecond is enabled

Command Mode

- /exec/configure/ip-sla/jitter

hold-down threshold count

[no] hold-down threshold count <count> [time <time>]

Syntax Description

no	(Optional) Negate a command or set its defaults
hold-down	Hold EPBR endpoints down after threshold is hit
threshold	Threshold specification
count	Failure count to be hit for threshold to be met
<i>count</i>	Threshold failure count(0 to disable, minimum 3 to enable)
time	(Optional) Time interval in which threshold is to be met
<i>time</i>	(Optional) Threshold time interval in seconds(0 to disable, minimum 60 to enable)

Command Mode

- /exec/configure/epbr/svc /exec/configure/epbr/fwd-svc /exec/configure/epbr-sess/svc /exec/configure/epbr-sess/fwd-svc

hold-down threshold count

[no] hold-down threshold count <count> [time <time>]

Syntax Description

no	(Optional) Negate a command or set its defaults
hold-down	Hold ITD nodes down after threshold is hit
threshold	Threshold specification
count	Failure count to be hit for threshold to be met
<i>count</i>	Threshold failure count
time	(Optional) Time interval in which threshold is to be met
<i>time</i>	(Optional) Threshold time interval in seconds

Command Mode

- /exec/configure/itd-dg-node /exec/configure/itd-dg-node-standby /exec/configure/itd-device-group

holdtime

holdtime { infinite | <secs> } | no holdtime

Syntax Description

no	Negate a command or set its defaults
holdtime	LDP session holdtime
infinite	Ignore LDP session holdtime
<i>secs</i>	Holdtime in seconds

Command Mode

- /exec/configure/ldp

hop-limit maximum

[no] hop-limit maximum <limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>limit</i>	Maximum hop count value allowed

Command Mode

- /exec/configure/config-ra-guard

hop-limit minimum

[no] hop-limit minimum <limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>limit</i>	Minimum hop count value allowed

Command Mode

- /exec/configure/config-ra-guard

hop

{ hop <val> } | { no hop }

Syntax Description

no	Negate a command or set its defaults
hop	Configure ngoam hop count
<i>val</i>	Configure ngoam service hop count value

Command Mode

- /exec/configure/configngoamprofile

host-reachability protocol

[no] host-reachability protocol { bgp | openflow | openflow-ir }

Syntax Description

no	(Optional) Negate a command or set its defaults
host-reachability	Configure host reachability advertisement
protocol	Control protocol to use
bgp	Border Gateway Protocol
openflow	OpenFlow
openflow-ir	OpenFlow-IR

Command Mode

- /exec/configure/if-nve

host-reachability protocol controller

[no] host-reachability protocol controller <controller-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
host-reachability	Configure host reachability advertisement
protocol	Control protocol to use
controller	Controller
<i>controller-id</i>	Controller id value

Command Mode

- /exec/configure/if-nve

host

```
[no] { host <hostaddr> | <prefix> | <addr> <mask> }
```

Syntax Description

<code>no</code>	(Optional) Negate a command or set its defaults
<code>host</code>	Host address of the object-group member
<i>hostaddr</i>	A.B.C.D Host address
<i>addr</i>	A.B.C.D Network address of object-group member
<i>mask</i>	A.B.C.D wildcard
<i>prefix</i>	A.B.C.D/nn Network prefix of the object-group member

Command Mode

- /exec/configure/objgroup

host group permit

```
{ <seq> host <hostip> group <range> { permit | deny } } | { no <seq> [ host <hostip> group <range> { permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
host	Host IP Address
<i>hostip</i>	Host IP Address
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/sender

host group permit

```
{ <seq> host <hostip> group <range> { permit | deny } } | { no <seq> [ host <hostip> group <range> { permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
host	Host IP Address
<i>hostip</i>	Host IP Address
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/sender

host port

[no] host <name-or-ip> port <portnum> [protocol <proto> encoding <encoder>]

Syntax Description

no	(Optional) Negate a command or set its defaults
host	Specify destination host
port	Set destination port
protocol	(Optional) Set transport protocol
encoding	(Optional) Set encoding format
<i>name-or-ip</i>	IPv4 or IPv6 address or DNS name of destination
<i>portnum</i>	Destination port
<i>proto</i>	(Optional)
<i>encoder</i>	(Optional) Set encoding type for this destination

Command Mode

- /exec/configure/telemetry/destination-group

host source group permit

```
{ <seq> host <hostip> source <sourceip> group <range> { permit | deny } } | { no <seq> [ host <hostip>
source <sourceip> group <range> { permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
host	Host IP Address
<i>hostip</i>	Host IP Address value
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/receiver

host source group permit

```
{ <seq> host <hostip> source <sourceip> group <range> { permit | deny } } | { no <seq> [ host <hostip>
source <sourceip> group <range> { permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
host	Host IP Address
<i>hostip</i>	Host IP Address value
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/receiver

hostname

{ hostname | switchname } <name> | no { hostname | switchname }

Syntax Description

no	Negate a command or set its defaults
hostname	Configure system's host name
switchname	Configure system's host name
<i>name</i>	Enter switchname

Command Mode

- /exec/configure

hostname dynamic

[no] hostname dynamic

Syntax Description

no	(Optional) Negate a command or set its defaults
hostname	Set dynamic hostname for IS-IS
dynamic	Dynamic hostname

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

hostname dynamic

[no] hostname dynamic

Syntax Description

no	(Optional) Negate a command or set its defaults
hostname	Set dynamic hostname for IS-IS
dynamic	Dynamic hostname

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

hostname dynamic

[no] hostname dynamic

Syntax Description

no	(Optional) Negate a command or set its defaults
hostname	Set dynamic hostname for IS-IS
dynamic	Dynamic hostname

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

hsrp

[no] hsrp <group-id> [ipv4]

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
<i>group-id</i>	Group number (0-255 for HSRPv1)
ipv4	(Optional) Configure IP Version 4 group

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

hsrp anycast

[no] hsrp anycast <id> { ipv4 | ipv6 | both }

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP configuration commands
anycast	Anycast related commands
<i>id</i>	Bundle number
ipv4	Associate IP Version 4 for the bundle
ipv6	Associate IP Version 6 for the bundle
both	Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec/configure

hsrp bfd

[no] hsrp bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
bfd	BFD protocol

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

hsrp bfd all-interfaces

[no] hsrp bfd all-interfaces

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
bfd	BFD protocol
all-interfaces	On all interfaces

Command Mode

- /exec/configure

hsrp delay minimum

hsrp delay { minimum <min-delay> | reload <reload-delay> } + | no hsrp delay [minimum [<min-delay>] | reload [<reload-delay>]] +

Syntax Description

no	Negate a command or set its defaults
hsrp	HSRP interface configuration commands
delay	HSRP initialisation delay
minimum	Minimum delay
reload	Delay after reload
<i>min-delay</i>	<0-10000> Delay in seconds
<i>reload-delay</i>	<0-10000> Delay in seconds

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

hsrp force state vlan

hsrp force state vlan { <vlans> | all }

Syntax Description

hsrp	Hot Standby Router Protocol (HSRP) information
force	Move the HSRP state
state	HSRP state
vlan	HSRP state changes for these vlans
all	Include all HSRP configured VLANs
<i>vlans</i>	VLAN IDs of the VLAN for which state change will affect

Command Mode

- /exec

hsrp ipv6

[no] hsrp <group-id> ipv6

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
<i>group-id</i>	Group number
ipv6	Configure IP Version 6 group

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

hsrp mac-refresh

hsrp mac-refresh [<time>] | no hsrp mac-refresh

Syntax Description

no	Negate a command or set its defaults
hsrp	HSRP interface configuration commands
mac-refresh	Interface mac-refresh time
<i>time</i>	(Optional) Timeout value (0-10000) in sec

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

hsrp timers extended-hold

[no] hsrp timers extended-hold [<extended-hold>]

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
timers	Global Timers
extended-hold	Extended Hold
<i>extended-hold</i>	(Optional) Time in seconds

Command Mode

- /exec/configure

hsrp use-bia

[no] hsrp use-bia [scope interface]

Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
use-bia	HSRP uses interface's burned in address
scope	(Optional) Specify the scope of use-bia
interface	(Optional) Use-bia applies to all groups on this interface or sub-interface

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

hsrp version 1

hsrp version { 1 | 2 } | no hsrp version

Syntax Description

no	Negate a command or set its defaults
hsrp	HSRP interface configuration commands
version	HSRP version
1	Version 1
2	Version 2

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

http get

```
[no] http { get } <WORD> { [ cache { disable | enable } ] [ proxy <proxy-info> ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] [ version <http-version> ] } +
```

Syntax Description

<i>proxy</i>	(Optional) <proxy-info>
<i>source-ip</i>	(Optional) <source-ip-hostname>
<i>source-port</i>	(Optional) <src-port>
<i>version</i>	(Optional) <http-version>
<i>cache</i>	(Optional) enable
no	(Optional)
http	HTTP Operation
get	HTTP get operation
<i>WORD</i>	URL
enable	(Optional) enable download of cached entries (default)
disable	(Optional) disable download of cached entries (default)
<i>proxy-info</i>	(Optional) Proxy URL
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
<i>src-port</i>	(Optional) Port Number (Recommended port range between 1025-65534)
<i>http-version</i>	(Optional) Supported HTTP versions are '1.0' and '1.1'.

Command Mode

- /exec/configure/ip-sla

http proxy server

[no] http proxy server <hostipname> [port <port-num>]

Syntax Description

no	(Optional) Negate a command or set its defaults
http	Configure http related parameters
proxy	Http Proxy related parameters
server	Server address
<i>hostipname</i>	IPV4/IPV6 address or DNS name of proxy server
port	(Optional) Http proxy server port
<i>port-num</i>	(Optional) port number

Command Mode

- /exec/configure/trustpool

human

| human

Syntax Description

	Pipe command output to filter
human	output in human format

Command Mode

- /output

human

| human

Syntax Description

	Pipe command output to filter
human	output in human format

Command Mode

- /output

hw-module logging onboard

[no] hw-module logging onboard [{ counter-stats | module <module> [{ counter-stats }] }]

Syntax Description

no	(Optional) Negate a command or set its defaults
hw-module	Enable/Disable OBFL information
logging	Enable/Disable OBFL information
onboard	Enable/Disable OBFL information
counter-stats	(Optional) Enable/Disable OBFL counter statistics
module	(Optional) Enable/Disable OBFL information for Module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec/configure

hw-module logging onboard

```
[no] hw-module logging onboard [ { environmental-history | error-stats | interrupt-stats | module <module>
[ { environmental-history | error-stats | interrupt-stats | obfl-logs | cpuhog } ] | obfl-logs | cpuhog } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
hw-module	Enable/Disable OBFL information
logging	Enable/Disable OBFL information
onboard	Enable/Disable OBFL information
environmental-history	(Optional) Enable/Disable OBFL environmental history
error-stats	(Optional) Enable/Disable OBFL error statistics
interrupt-stats	(Optional) Enable/Disable OBFL interrupt statistics
cpuhog	(Optional) Enable/Disable OBFL cpu hog events
module	(Optional) Enable/Disable OBFL information for Module
<i>module</i>	(Optional) Enter module number
obfl-logs	(Optional) Enable/Disable OBFL (boot-uptime/device-version/obfl-history)

Command Mode

- /exec/configure



I Commands

- [icmp-echo](#), on page 1974
- [id](#), on page 1975
- [id](#), on page 1976
- [ignore routable](#), on page 1977
- [import](#), on page 1978
- [import interface](#), on page 1979
- [import l2vpn evpn](#), on page 1980
- [import map](#), on page 1981
- [import running-config](#), on page 1982
- [import vpn unicast](#), on page 1983
- [import vrf advertise-vpn](#), on page 1984
- [import vrf default map](#), on page 1985
- [in-label allocate](#), on page 1986
- [inband-telemetry exporter](#), on page 1987
- [inband-telemetry flow-profile](#), on page 1988
- [inband-telemetry monitor](#), on page 1989
- [inband-telemetry queue-profile](#), on page 1990
- [inband-telemetry record](#), on page 1991
- [inband-telemetry system monitor](#), on page 1992
- [inband-telemetry watchlist ip](#), on page 1993
- [include-all](#), on page 1994
- [include-all](#), on page 1995
- [include-any](#), on page 1996
- [include-any](#), on page 1997
- [include-icv-indicator](#), on page 1998
- [include-sci](#), on page 1999
- [include-tcp-options](#), on page 2000
- [include profile](#), on page 2001
- [include profile any](#), on page 2002
- [index-limit](#), on page 2003
- [index-limit](#), on page 2004
- [index](#), on page 2005
- [ingress-client query-reply](#), on page 2006

- [ingress-client query-suppression](#), on page 2007
- [ingress-client query-suppression packet-gap](#), on page 2008
- [ingress-mtu](#), on page 2009
- [ingress-replication protocol bgp](#), on page 2010
- [ingress-replication protocol static](#), on page 2011
- [ingress interface](#), on page 2012
- [inherit peer-policy](#), on page 2013
- [inherit peer-policy](#), on page 2014
- [inherit peer-session](#), on page 2015
- [inherit peer](#), on page 2016
- [inherit port-profile](#), on page 2017
- [initial-delay](#), on page 2018
- [initial-refresh skip](#), on page 2019
- [inject-map exist-map](#), on page 2020
- [innoshell](#), on page 2021
- [innoshell cmd](#), on page 2022
- [innoshell module](#), on page 2023
- [innoshell module cmd](#), on page 2024
- [install](#), on page 2025
- [install activate](#), on page 2027
- [install add](#), on page 2028
- [install all network-os](#), on page 2029
- [install commit](#), on page 2030
- [install deactivate](#), on page 2031
- [install epld](#), on page 2032
- [install feature-set fcoe-npv](#), on page 2033
- [install feature-set fcoe](#), on page 2034
- [install feature-set mpls](#), on page 2035
- [install feature-set virtualization](#), on page 2036
- [install license](#), on page 2037
- [install remove](#), on page 2038
- [install reset](#), on page 2039
- [install verify](#), on page 2040
- [instance-id](#), on page 2041
- [instance](#), on page 2042
- [instance](#), on page 2043
- [instance vlan](#), on page 2044
- [int-clone-md probe-marker](#), on page 2045
- [int-clone-md sink collector](#), on page 2046
- [int-clone-md sink monitor](#), on page 2047
- [int-clone-md sink record](#), on page 2048
- [int-clone-md source monitor](#), on page 2049
- [int-clone-md source record](#), on page 2050
- [int-clone-md system sink monitor](#), on page 2051
- [int-clone-md system source monitor](#), on page 2052
- [interface](#), on page 2053

- [interface](#), on page 2054
- [interface](#), on page 2055
- [interface](#), on page 2056
- [interface](#), on page 2057
- [interface](#), on page 2058
- [interface](#), on page 2059
- [interface](#), on page 2060
- [interface](#), on page 2061
- [interface](#), on page 2062
- [interface](#), on page 2063
- [interface](#), on page 2064
- [interface](#), on page 2065
- [interface](#), on page 2066
- [interface](#), on page 2067
- [interface](#), on page 2068
- [interface](#), on page 2069
- [interface](#), on page 2070
- [interface](#), on page 2071
- [interface](#), on page 2072
- [interface breakout-profile](#), on page 2073
- [interface breakout module](#), on page 2074
- [interface breakout module](#), on page 2075
- [interface breakout module port](#), on page 2076
- [interface breakout module port map](#), on page 2077
- [interop-enable](#), on page 2078
- [intersight cnmi](#), on page 2079
- [intersight device-connector unclaim](#), on page 2080
- [intersight inventory](#), on page 2081
- [intersight proxy](#), on page 2082
- [intersight source-interface](#), on page 2083
- [intersight trustpoint](#), on page 2084
- [intersight use-vrf](#), on page 2085
- [interval](#), on page 2086
- [interval](#), on page 2087
- [interval interval](#), on page 2088
- [ip](#), on page 2089
- [ip](#), on page 2090
- [ip](#), on page 2091
- [ip](#), on page 2092
- [ip](#), on page 2093
- [ip](#), on page 2094
- [ip](#), on page 2095
- [ip](#), on page 2096
- [ip access-class](#), on page 2097
- [ip access-group](#), on page 2098
- [ip access-list](#), on page 2099

- [ip access-list match-local-traffic](#), on page 2100
- [ip address](#), on page 2101
- [ip address](#), on page 2102
- [ip address](#), on page 2103
- [ip address dhcp](#), on page 2104
- [ip address ipv6 address port](#), on page 2105
- [ip address secondary](#), on page 2106
- [ip adjacency route distance](#), on page 2107
- [ip amt anycast-relay-prefix](#), on page 2108
- [ip amt gateway](#), on page 2109
- [ip amt join-policy](#), on page 2110
- [ip amt qqic](#), on page 2111
- [ip amt relay-advertisement-address](#), on page 2112
- [ip amt relay](#), on page 2113
- [ip amt state-limit](#), on page 2114
- [ip amt tunnel-limit](#), on page 2115
- [ip arp](#), on page 2116
- [ip arp allow-static-arp-outside-subnet](#), on page 2117
- [ip arp cache intf-limit](#), on page 2118
- [ip arp cache intf-limit](#), on page 2119
- [ip arp cache limit](#), on page 2120
- [ip arp cos](#), on page 2121
- [ip arp delete](#), on page 2122
- [ip arp evpn timeout](#), on page 2123
- [ip arp gratuitous hsrp duplicate](#), on page 2124
- [ip arp gratuitous request](#), on page 2125
- [ip arp gratuitous update](#), on page 2126
- [ip arp inspection filter vlan](#), on page 2127
- [ip arp inspection log-buffer entries](#), on page 2128
- [ip arp inspection trust](#), on page 2129
- [ip arp inspection validate](#), on page 2130
- [ip arp inspection vlan](#), on page 2131
- [ip arp off-list timeout](#), on page 2132
- [ip arp outside-subnet](#), on page 2133
- [ip arp outside-subnet](#), on page 2134
- [ip arp rarp fabric-forwarding](#), on page 2135
- [ip arp rarp fabric-forwarding rate-limit](#), on page 2136
- [ip arp suppression-cache](#), on page 2137
- [ip arp suppression timeout](#), on page 2138
- [ip arp synchronize](#), on page 2139
- [ip arp timeout](#), on page 2140
- [ip arp timeout](#), on page 2141
- [ip arp unnum-svi-dup-ip-detection](#), on page 2142
- [ip arp unnum-svi-sw-replication](#), on page 2143
- [ip as-path access-list deny](#), on page 2144
- [ip as-path access-list seq deny](#), on page 2145

- [ip authentication key-chain eigrp](#), on page 2146
- [ip authentication mode eigrp md5](#), on page 2147
- [ip auto-discard](#), on page 2148
- [ip bandwidth-percent eigrp](#), on page 2149
- [ip bandwidth eigrp](#), on page 2150
- [ip community-list expanded deny](#), on page 2151
- [ip community-list expanded seq deny](#), on page 2152
- [ip delay eigrp](#), on page 2153
- [ip destination](#), on page 2154
- [ip dhcp option82 suboption circuit-id](#), on page 2155
- [ip dhcp packet strict-validation](#), on page 2156
- [ip dhcp relay](#), on page 2157
- [ip dhcp relay address](#), on page 2158
- [ip dhcp relay dai](#), on page 2159
- [ip dhcp relay information option](#), on page 2160
- [ip dhcp relay information option server-id-override-disable](#), on page 2161
- [ip dhcp relay information option trust](#), on page 2162
- [ip dhcp relay information option vpn](#), on page 2163
- [ip dhcp relay information trust-all](#), on page 2164
- [ip dhcp relay information trusted](#), on page 2165
- [ip dhcp relay source](#), on page 2166
- [ip dhcp relay sub-option circuit-id customized](#), on page 2167
- [ip dhcp relay sub-option circuit-id format-type string](#), on page 2168
- [ip dhcp relay sub-option format non-tlv](#), on page 2169
- [ip dhcp relay sub-option type cisco](#), on page 2170
- [ip dhcp relay subnet-selection](#), on page 2171
- [ip dhcp smart-relay](#), on page 2172
- [ip dhcp smart-relay global](#), on page 2173
- [ip dhcp snooping](#), on page 2174
- [ip dhcp snooping information option](#), on page 2175
- [ip dhcp snooping ipsg-excluded vlan](#), on page 2176
- [ip dhcp snooping sub-option circuit-id format-type string](#), on page 2177
- [ip dhcp snooping sub-option format non-tlv](#), on page 2178
- [ip dhcp snooping trust](#), on page 2179
- [ip dhcp snooping verify mac-address](#), on page 2180
- [ip dhcp snooping vlan](#), on page 2181
- [ip directed-broadcast](#), on page 2182
- [ip distribute-list eigrp](#), on page 2183
- [ip dns source-interface](#), on page 2184
- [ip domain-list](#), on page 2185
- [ip domain-lookup](#), on page 2186
- [ip domain-name](#), on page 2187
- [ip drop-glean](#), on page 2188
- [ip dscp-lop](#), on page 2189
- [ip dscp](#), on page 2190
- [ip eigrp bfd](#), on page 2191

- [ip eigrp shutdown](#), on page 2192
- [ip extcommunity-list expanded seq deny](#), on page 2193
- [ip extcommunity-list standard seq permit 4byteas-generic transitive](#), on page 2194
- [ip flow monitor input](#), on page 2196
- [ip flow monitor input](#), on page 2197
- [ip flow monitor input](#), on page 2198
- [ip flow monitor input](#), on page 2199
- [ip flow rtp](#), on page 2200
- [ip forward](#), on page 2201
- [ip ftp source-interface](#), on page 2202
- [ip hello-interval eigrp](#), on page 2203
- [ip hold-time eigrp](#), on page 2204
- [ip host](#), on page 2205
- [ip http source-interface](#), on page 2206
- [ip icmp-errors source-interface](#), on page 2207
- [ip igmp any-query-destination](#), on page 2208
- [ip igmp enforce-router-alert](#), on page 2209
- [ip igmp flush-routes](#), on page 2210
- [ip igmp group-timeout](#), on page 2211
- [ip igmp heavy-template](#), on page 2212
- [ip igmp host-proxy](#), on page 2213
- [ip igmp immediate-leave](#), on page 2214
- [ip igmp join-group](#), on page 2215
- [ip igmp last-member-query-count](#), on page 2216
- [ip igmp last-member-query-response-time](#), on page 2217
- [ip igmp querier-elect strict](#), on page 2218
- [ip igmp querier](#), on page 2219
- [ip igmp query-interval](#), on page 2220
- [ip igmp query-max-response-time](#), on page 2221
- [ip igmp report-link-local-groups](#), on page 2222
- [ip igmp report prefix-list](#), on page 2223
- [ip igmp robustness-variable](#), on page 2224
- [ip igmp snooping](#), on page 2225
- [ip igmp snooping](#), on page 2226
- [ip igmp snooping access-group](#), on page 2227
- [ip igmp snooping disable-nve-static-router-port](#), on page 2228
- [ip igmp snooping disable-nve-static-router-port](#), on page 2229
- [ip igmp snooping explicit-tracking](#), on page 2230
- [ip igmp snooping fast-leave](#), on page 2231
- [ip igmp snooping group-timeout](#), on page 2232
- [ip igmp snooping group-timeout](#), on page 2233
- [ip igmp snooping last-member-query-interval](#), on page 2234
- [ip igmp snooping link-local-groups-suppression](#), on page 2235
- [ip igmp snooping link-local-groups-suppression](#), on page 2236
- [ip igmp snooping many-to-one-enhance](#), on page 2237
- [ip igmp snooping max-gq-miss](#), on page 2238

- [ip igmp snooping mrouter interface](#), on page 2239
- [ip igmp snooping mrouter vpc-peer-link](#), on page 2240
- [ip igmp snooping optimise-multicast-flood](#), on page 2241
- [ip igmp snooping proxy-leave use-group-address](#), on page 2242
- [ip igmp snooping proxy general-queries](#), on page 2243
- [ip igmp snooping proxy general-queries](#), on page 2244
- [ip igmp snooping querier-timeout](#), on page 2245
- [ip igmp snooping querier](#), on page 2246
- [ip igmp snooping query-interval](#), on page 2247
- [ip igmp snooping query-max-response-time](#), on page 2248
- [ip igmp snooping query flood](#), on page 2249
- [ip igmp snooping query flood](#), on page 2250
- [ip igmp snooping report-flood all](#), on page 2251
- [ip igmp snooping report-suppression](#), on page 2252
- [ip igmp snooping report-suppression](#), on page 2253
- [ip igmp snooping report prefix interface](#), on page 2254
- [ip igmp snooping robustness-variable](#), on page 2255
- [ip igmp snooping startup-query-count](#), on page 2256
- [ip igmp snooping startup-query-interval](#), on page 2257
- [ip igmp snooping static-group interface](#), on page 2258
- [ip igmp snooping syslog-threshold](#), on page 2259
- [ip igmp snooping v3-report-suppression](#), on page 2260
- [ip igmp snooping v3-report-suppression](#), on page 2261
- [ip igmp snooping version](#), on page 2262
- [ip igmp snooping vxlan-umc drop](#), on page 2263
- [ip igmp snooping vxlan](#), on page 2264
- [ip igmp spoof-check](#), on page 2265
- [ip igmp ssm-translate](#), on page 2266
- [ip igmp startup-query-count](#), on page 2267
- [ip igmp startup-query-interval](#), on page 2268
- [ip igmp state-limit](#), on page 2269
- [ip igmp suppress v3-gsq](#), on page 2270
- [ip igmp syslog-threshold](#), on page 2271
- [ip igmp version](#), on page 2272
- [ip large-community-list expanded seq deny](#), on page 2273
- [ip large-community-list standard seq permit](#), on page 2274
- [ip lisp alt-vrf](#), on page 2275
- [ip lisp database-mapping dynamic priority weight](#), on page 2276
- [ip lisp etr](#), on page 2277
- [ip lisp etr accept-map-request-mapping](#), on page 2278
- [ip lisp etr glean-mapping](#), on page 2279
- [ip lisp etr map-cache-ttl](#), on page 2280
- [ip lisp etr map-register-ttl](#), on page 2281
- [ip lisp etr map-server key](#), on page 2282
- [ip lisp hardware-forwarding](#), on page 2283
- [ip lisp itr-etr](#), on page 2284

- [ip lisp itr](#), on page 2285
- [ip lisp itr map-resolver](#), on page 2286
- [ip lisp itr send-data-probe](#), on page 2287
- [ip lisp locator-vrf](#), on page 2288
- [ip lisp map-cache-limit](#), on page 2289
- [ip lisp map-cache drop native-forward map-request priority weight](#), on page 2290
- [ip lisp map-request-source](#), on page 2291
- [ip lisp map-resolver](#), on page 2292
- [ip lisp map-server](#), on page 2293
- [ip lisp multicast](#), on page 2294
- [ip lisp nat-traversal](#), on page 2295
- [ip lisp ntr](#), on page 2296
- [ip lisp proxy-etr](#), on page 2297
- [ip lisp proxy-itr](#), on page 2298
- [ip lisp shortest-eid-prefix-length](#), on page 2299
- [ip lisp source-locator](#), on page 2300
- [ip lisp translate inside outside](#), on page 2301
- [ip lisp use-bgp-locators](#), on page 2302
- [ip lisp use-petr priority weight](#), on page 2303
- [ip load-sharing address](#), on page 2304
- [ip local-proxy-arp](#), on page 2306
- [ip local policy route-map](#), on page 2307
- [ip mfwf mstatic register](#), on page 2308
- [ip mroute](#), on page 2309
- [ip msdp description](#), on page 2310
- [ip msdp flush-routes](#), on page 2311
- [ip msdp group-limit source](#), on page 2312
- [ip msdp keepalive](#), on page 2313
- [ip msdp keychain](#), on page 2314
- [ip msdp mesh-group](#), on page 2315
- [ip msdp originator-id](#), on page 2316
- [ip msdp password](#), on page 2317
- [ip msdp peer connect-source](#), on page 2318
- [ip msdp reconnect-interval](#), on page 2319
- [ip msdp redistribute](#), on page 2320
- [ip msdp sa-interval](#), on page 2321
- [ip msdp sa-limit](#), on page 2322
- [ip msdp sa-policy in](#), on page 2323
- [ip msdp sa-policy out](#), on page 2324
- [ip msdp shutdown](#), on page 2325
- [ip mtu eigrp](#), on page 2326
- [ip multicast group-range prefix-list](#), on page 2327
- [ip multicast multipath](#), on page 2328
- [ip multicast multipath resilient](#), on page 2329
- [ip multicast overlay-distributed-dr](#), on page 2330
- [ip multicast overlay-spt-only](#), on page 2331

- [ip multicast rpf select vrf group-list](#), on page 2332
- [ip name-server](#), on page 2333
- [ip nat inside](#), on page 2335
- [ip nat inside source](#), on page 2336
- [ip nat outside source](#), on page 2338
- [ip nat pool netmask](#), on page 2340
- [ip nat pool netmask](#), on page 2341
- [ip nat translation](#), on page 2342
- [ip nat translation creation-delay](#), on page 2343
- [ip nat translation max-entries](#), on page 2344
- [ip nat translation sampling-timeout](#), on page 2345
- [ip next-hop-self eigrp](#), on page 2346
- [ip offset-list eigrp](#), on page 2347
- [ip ospf advertise-subnet](#), on page 2348
- [ip ospf authentication-key](#), on page 2349
- [ip ospf authentication](#), on page 2350
- [ip ospf authentication key-chain](#), on page 2351
- [ip ospf bfd](#), on page 2352
- [ip ospf cost](#), on page 2353
- [ip ospf dead-interval](#), on page 2354
- [ip ospf hello-interval](#), on page 2355
- [ip ospf message-digest-key md5](#), on page 2356
- [ip ospf mtu-ignore](#), on page 2357
- [ip ospf network broadcast](#), on page 2358
- [ip ospf network point-to-point](#), on page 2359
- [ip ospf passive-interface](#), on page 2360
- [ip ospf prefix-attributes n-flag-clear](#), on page 2361
- [ip ospf priority](#), on page 2362
- [ip ospf retransmit-interval](#), on page 2363
- [ip ospf shutdown](#), on page 2364
- [ip ospf transmit-delay](#), on page 2365
- [ip passive-interface eigrp](#), on page 2366
- [ip pim allow-rp](#), on page 2367
- [ip pim anycast-rp](#), on page 2368
- [ip pim assert-rate-limit](#), on page 2369
- [ip pim auto-enable](#), on page 2370
- [ip pim auto-rp listen](#), on page 2371
- [ip pim auto-rp mapping-agent-policy](#), on page 2372
- [ip pim auto-rp mapping-agent send-rp-discovery](#), on page 2373
- [ip pim auto-rp rp-candidate-policy](#), on page 2374
- [ip pim auto-rp rp-candidate send-rp-announce group-list route-map prefix-list](#), on page 2375
- [ip pim bfd-instance](#), on page 2376
- [ip pim bfd](#), on page 2377
- [ip pim bidir-rp-limit](#), on page 2378
- [ip pim border-router](#), on page 2379
- [ip pim border](#), on page 2380

- [ip pim bsr-candidate](#), on page 2381
- [ip pim bsr bsr-policy](#), on page 2382
- [ip pim bsr listen](#), on page 2383
- [ip pim bsr rp-candidate-policy](#), on page 2384
- [ip pim dr-delay](#), on page 2385
- [ip pim dr-priority](#), on page 2386
- [ip pim evpn-border-leaf](#), on page 2387
- [ip pim extranet](#), on page 2388
- [ip pim flush-routes](#), on page 2389
- [ip pim group-list](#), on page 2390
- [ip pim hello-authentication ah-md5](#), on page 2391
- [ip pim hello-authentication keychain](#), on page 2392
- [ip pim hello-interval](#), on page 2393
- [ip pim isolate](#), on page 2394
- [ip pim jp-policy](#), on page 2395
- [ip pim log-neighbor-changes](#), on page 2396
- [ip pim mtu](#), on page 2397
- [ip pim neighbor-policy prefix-list](#), on page 2398
- [ip pim passive](#), on page 2399
- [ip pim pfm-sd announcement gap](#), on page 2400
- [ip pim pfm-sd announcement interval](#), on page 2401
- [ip pim pfm-sd announcement rate](#), on page 2402
- [ip pim pfm-sd boundary](#), on page 2403
- [ip pim pfm-sd gsh holdtime](#), on page 2404
- [ip pim pfm-sd originator-id](#), on page 2405
- [ip pim pfm-sd range](#), on page 2406
- [ip pim pre-build-spt](#), on page 2407
- [ip pim register-packing](#), on page 2408
- [ip pim register-policy](#), on page 2409
- [ip pim register-rate-limit](#), on page 2410
- [ip pim register-source](#), on page 2411
- [ip pim register-until-stop](#), on page 2412
- [ip pim rp-address](#), on page 2413
- [ip pim rp-candidate group-list route-map prefix-list](#), on page 2414
- [ip pim sg-expiry-timer infinity](#), on page 2415
- [ip pim sparse-mode](#), on page 2416
- [ip pim spt-switch-graceful](#), on page 2417
- [ip pim ssm](#), on page 2418
- [ip pim state-limit](#), on page 2419
- [ip pim strict-rfc-compliant](#), on page 2420
- [ip pim strict-rfc-compliant](#), on page 2421
- [ip ping source-interface](#), on page 2422
- [ip policy route-map](#), on page 2423
- [ip port-unreachable](#), on page 2424
- [ip port access-group](#), on page 2425
- [ip port access-group](#), on page 2426

- [ip pps threshold unicast-forward](#), on page 2427
- [ip prefix-list description](#), on page 2428
- [ip prefix-list permit](#), on page 2429
- [ip proxy-arp](#), on page 2430
- [ip radius source-interface](#), on page 2431
- [ip redirect syslog](#), on page 2432
- [ip redirects](#), on page 2433
- [ip rip authentication key-chain](#), on page 2434
- [ip rip authentication mode text](#), on page 2435
- [ip rip poison-reverse](#), on page 2436
- [ip rip route-filter route in](#), on page 2437
- [ip route](#), on page 2438
- [ip route static bfd](#), on page 2439
- [ip router eigrp](#), on page 2440
- [ip router isis](#), on page 2441
- [ip router ospf area](#), on page 2442
- [ip router ospf multi-area](#), on page 2443
- [ip router rip](#), on page 2444
- [ip routing multicast holddown](#), on page 2445
- [ip routing multicast mfdm-buffer-route-count](#), on page 2446
- [ip routing multicast software-replicate](#), on page 2447
- [ip secondary](#), on page 2448
- [ip service-reflect destination to mask-len source](#), on page 2449
- [ip service-reflect mode ingress](#), on page 2450
- [ip service-reflect mode regular](#), on page 2451
- [ip service-reflect source-interface](#), on page 2452
- [ip sla](#), on page 2453
- [ip sla](#), on page 2454
- [ip sla group schedule](#), on page 2455
- [ip sla group schedule add](#), on page 2457
- [ip sla group schedule delete](#), on page 2458
- [ip sla group schedule reschedule](#), on page 2459
- [ip sla logging traps](#), on page 2460
- [ip sla reaction-configuration react](#), on page 2461
- [ip sla reaction-trigger](#), on page 2462
- [ip sla reset](#), on page 2463
- [ip sla responder](#), on page 2464
- [ip sla responder twamp](#), on page 2465
- [ip sla restart](#), on page 2466
- [ip sla schedule](#), on page 2467
- [ip sla server twamp](#), on page 2469
- [ip source-route](#), on page 2470
- [ip source binding vlan interface](#), on page 2471
- [ip split-horizon eigrp](#), on page 2472
- [ip ssh source-interface](#), on page 2473
- [ip summary-address eigrp ipv6 summary-address eigrp](#), on page 2474

- [ip tacacs source-interface](#), on page 2475
- [ip tcp mss](#), on page 2476
- [ip tcp path-mtu-discovery](#), on page 2477
- [ip tcp synwait-time](#), on page 2478
- [ip telnet source-interface](#), on page 2479
- [ip tftp source-interface](#), on page 2480
- [ip traceroute source-interface](#), on page 2481
- [ip ttl](#), on page 2482
- [ip udp relay addrgroup](#), on page 2483
- [ip unnumbered](#), on page 2484
- [ip unreachable](#), on page 2485
- [ip verify source dhcp-snooping-vlan](#), on page 2486
- [ip verify unicast source reachable-via rx](#), on page 2487
- [ipv4](#), on page 2488
- [ipv4](#), on page 2489
- [ipv6](#), on page 2490
- [ipv6](#), on page 2491
- [ipv6 access-class](#), on page 2492
- [ipv6 access-list](#), on page 2493
- [ipv6 access-list match-local-traffic](#), on page 2494
- [ipv6 address](#), on page 2495
- [ipv6 address](#), on page 2496
- [ipv6 address dhcp](#), on page 2497
- [ipv6 address use-link-local-only](#), on page 2498
- [ipv6 adjacency-stale-timer](#), on page 2499
- [ipv6 adjacency route distance](#), on page 2500
- [ipv6 amt gateway](#), on page 2501
- [ipv6 amt relay](#), on page 2502
- [ipv6 destination](#), on page 2503
- [ipv6 dhcp guard](#), on page 2504
- [ipv6 dhcp guard](#), on page 2505
- [ipv6 dhcp guard policy](#), on page 2506
- [ipv6 dhcp relay](#), on page 2507
- [ipv6 dhcp relay address](#), on page 2508
- [ipv6 dhcp relay address ipv6 dhcp relay address](#), on page 2509
- [ipv6 dhcp relay option79](#), on page 2510
- [ipv6 dhcp relay option type cisco](#), on page 2511
- [ipv6 dhcp relay option vpn](#), on page 2512
- [ipv6 dhcp relay prefix-delegation route](#), on page 2513
- [ipv6 dhcp relay source-interface](#), on page 2514
- [ipv6 dhcp relay source-interface](#), on page 2515
- [ipv6 dhcp smart-relay](#), on page 2516
- [ipv6 dhcp smart-relay global](#), on page 2517
- [ipv6 flow monitor input](#), on page 2518
- [ipv6 flow monitor input](#), on page 2519
- [ipv6 flow monitor input](#), on page 2520

- [ipv6 flow monitor input](#), on page 2521
- [ipv6 flow rtp](#), on page 2522
- [ipv6 forward](#), on page 2523
- [ipv6 host](#), on page 2524
- [ipv6 link-local](#), on page 2525
- [ipv6 link-local use-bia](#), on page 2526
- [ipv6 local policy route-map](#), on page 2527
- [ipv6 mld group-timeout](#), on page 2528
- [ipv6 mld immediate-leave](#), on page 2529
- [ipv6 mld join-group](#), on page 2530
- [ipv6 mld last-member-query-count](#), on page 2531
- [ipv6 mld last-member-query-response-time](#), on page 2532
- [ipv6 mld querier](#), on page 2533
- [ipv6 mld query-interval](#), on page 2534
- [ipv6 mld query-max-response-time](#), on page 2535
- [ipv6 mld report-link-local-groups](#), on page 2536
- [ipv6 mld report](#), on page 2537
- [ipv6 mld robustness-variable](#), on page 2538
- [ipv6 mld snooping](#), on page 2539
- [ipv6 mld snooping](#), on page 2540
- [ipv6 mld snooping access-group](#), on page 2541
- [ipv6 mld snooping disable-nve-static-router-port](#), on page 2542
- [ipv6 mld snooping disable-nve-static-router-port](#), on page 2543
- [ipv6 mld snooping explicit-tracking](#), on page 2544
- [ipv6 mld snooping fast-leave](#), on page 2545
- [ipv6 mld snooping group-timeout](#), on page 2546
- [ipv6 mld snooping group-timeout](#), on page 2547
- [ipv6 mld snooping last-member-query-interval](#), on page 2548
- [ipv6 mld snooping link-local-groups-suppression](#), on page 2549
- [ipv6 mld snooping link-local-groups-suppression](#), on page 2550
- [ipv6 mld snooping many-to-one-enhance](#), on page 2551
- [ipv6 mld snooping max-gq-miss](#), on page 2552
- [ipv6 mld snooping mrouter interface](#), on page 2553
- [ipv6 mld snooping mrouter vpc-peer-link](#), on page 2554
- [ipv6 mld snooping optimise-multicast-flood](#), on page 2555
- [ipv6 mld snooping proxy-leave use-group-address](#), on page 2556
- [ipv6 mld snooping proxy general-queries](#), on page 2557
- [ipv6 mld snooping proxy general-queries](#), on page 2558
- [ipv6 mld snooping querier-timeout](#), on page 2559
- [ipv6 mld snooping querier](#), on page 2560
- [ipv6 mld snooping query-interval](#), on page 2561
- [ipv6 mld snooping query-max-response-time](#), on page 2562
- [ipv6 mld snooping report-flood all](#), on page 2563
- [ipv6 mld snooping report-suppression](#), on page 2564
- [ipv6 mld snooping report-suppression](#), on page 2565
- [ipv6 mld snooping report prefix interface](#), on page 2566

- [ipv6 mld snooping robustness-variable](#), on page 2567
- [ipv6 mld snooping startup-query-count](#), on page 2568
- [ipv6 mld snooping startup-query-interval](#), on page 2569
- [ipv6 mld snooping static-group interface](#), on page 2570
- [ipv6 mld snooping syslog-threshold](#), on page 2571
- [ipv6 mld snooping v2-report-suppression](#), on page 2572
- [ipv6 mld snooping v2-report-suppression](#), on page 2573
- [ipv6 mld snooping version](#), on page 2574
- [ipv6 mld snooping vxlan-umc drop](#), on page 2575
- [ipv6 mld snooping vxlan](#), on page 2576
- [ipv6 mld ssm-translate](#), on page 2577
- [ipv6 mld startup-query-count](#), on page 2578
- [ipv6 mld startup-query-interval](#), on page 2579
- [ipv6 mld state-limit](#), on page 2580
- [ipv6 mld syslog-threshold](#), on page 2581
- [ipv6 mld version](#), on page 2582
- [ipv6 multicast group-range prefix-list](#), on page 2583
- [ipv6 multicast multipath](#), on page 2584
- [ipv6 multicast multipath resilient](#), on page 2585
- [ipv6 nd cache limit](#), on page 2586
- [ipv6 nd dad attempts](#), on page 2587
- [ipv6 nd dadns-discover](#), on page 2588
- [ipv6 nd delete-adj-on-mac-delete](#), on page 2589
- [ipv6 nd drop-fragments](#), on page 2590
- [ipv6 nd hop-limit](#), on page 2591
- [ipv6 nd local-proxy no-hw-flooding](#), on page 2592
- [ipv6 nd local-proxy no-hw-flooding](#), on page 2593
- [ipv6 nd mac-extract](#), on page 2594
- [ipv6 nd managed-config-flag](#), on page 2595
- [ipv6 nd mtu](#), on page 2596
- [ipv6 nd ns-interval](#), on page 2597
- [ipv6 nd off-list timeout](#), on page 2598
- [ipv6 nd other-config-flag](#), on page 2599
- [ipv6 nd prefix](#), on page 2600
- [ipv6 nd prefix default](#), on page 2601
- [ipv6 nd ra-interval](#), on page 2602
- [ipv6 nd ra-lifetime](#), on page 2603
- [ipv6 nd ra bootfile-url](#), on page 2604
- [ipv6 nd ra dns search-list sequence](#), on page 2605
- [ipv6 nd ra dns search-list suppress](#), on page 2606
- [ipv6 nd ra dns server sequence](#), on page 2607
- [ipv6 nd ra dns server suppress](#), on page 2608
- [ipv6 nd ra route suppress](#), on page 2609
- [ipv6 nd rguard](#), on page 2610
- [ipv6 nd rguard](#), on page 2611
- [ipv6 nd rguard attach-policy](#), on page 2612

- [ipv6 nd rguard policy](#), on page 2613
- [ipv6 nd reachable-time](#), on page 2614
- [ipv6 nd retrans-timer](#), on page 2615
- [ipv6 nd route route-preference High Low Medium infinite](#), on page 2616
- [ipv6 nd router-preference High Low Medium](#), on page 2617
- [ipv6 nd solicit-na accept](#), on page 2618
- [ipv6 nd suppress-ra](#), on page 2619
- [ipv6 nd synchronize](#), on page 2620
- [ipv6 neighbor](#), on page 2621
- [ipv6 neighbor allow-static-neighbor-outside-subnet](#), on page 2622
- [ipv6 neighbor binding](#), on page 2623
- [ipv6 neighbor binding](#), on page 2624
- [ipv6 neighbor binding logging](#), on page 2625
- [ipv6 neighbor binding max-entries](#), on page 2626
- [ipv6 neighbor tracking](#), on page 2627
- [ipv6 pim allow-rp](#), on page 2628
- [ipv6 pim anycast-rp](#), on page 2629
- [ipv6 pim assert-rate-limit](#), on page 2630
- [ipv6 pim bidir-rp-limit](#), on page 2631
- [ipv6 pim border-router](#), on page 2632
- [ipv6 pim border](#), on page 2633
- [ipv6 pim dr-priority](#), on page 2634
- [ipv6 pim evpn-border-leaf](#), on page 2635
- [ipv6 pim flush-routes](#), on page 2636
- [ipv6 pim hello-interval](#), on page 2637
- [ipv6 pim isolate](#), on page 2638
- [ipv6 pim log-neighbor-changes](#), on page 2639
- [ipv6 pim mtu](#), on page 2640
- [ipv6 pim passive](#), on page 2641
- [ipv6 pim register-rate-limit](#), on page 2642
- [ipv6 pim rp-address](#), on page 2643
- [ipv6 pim sparse-mode](#), on page 2644
- [ipv6 pim spt-switch-graceful](#), on page 2645
- [ipv6 pim state-limit](#), on page 2646
- [ipv6 policy route-map](#), on page 2647
- [ipv6 port traffic-filter](#), on page 2648
- [ipv6 prefix-list description](#), on page 2649
- [ipv6 prefix-list permit](#), on page 2650
- [ipv6 queue-packets](#), on page 2651
- [ipv6 redirect syslog](#), on page 2652
- [ipv6 redirects](#), on page 2653
- [ipv6 route](#), on page 2654
- [ipv6 route static bfd](#), on page 2655
- [ipv6 router isis](#), on page 2656
- [ipv6 router ospfv3 area](#), on page 2657
- [ipv6 router ospfv3 multi-area](#), on page 2658

- ipv6 routing multicast holddown, on page 2659
- ipv6 routing multicast mfdm-buffer-route-count, on page 2660
- ipv6 routing multicast software-replicate, on page 2661
- ipv6 snooping, on page 2662
- ipv6 snooping, on page 2663
- ipv6 snooping policy, on page 2664
- ipv6 snooping unit-test bt-add vlan, on page 2665
- ipv6 switch-packets, on page 2666
- ipv6 traffic-filter, on page 2667
- ipv6 unreachable, on page 2668
- ipv6 verify unicast source reachable-via rx, on page 2669
- is-type, on page 2670
- ishow cli find nodes, on page 2671
- ishow cli modes, on page 2672
- ishow cli nodes, on page 2673
- ishow cli paths, on page 2674
- ishow cli tags, on page 2675
- ishow core backtrace, on page 2676
- isis authentication-check, on page 2677
- isis authentication-check level-1, on page 2678
- isis authentication-check level-2, on page 2679
- isis authentication-type cleartext, on page 2680
- isis authentication-type cleartext level-1, on page 2681
- isis authentication-type cleartext level-2, on page 2682
- isis authentication key-chain, on page 2683
- isis authentication key-chain level-1, on page 2684
- isis authentication key-chain level-2, on page 2685
- isis bfd, on page 2686
- isis circuit-type, on page 2687
- isis csnp-interval level, on page 2688
- isis hello-interval, on page 2689
- isis hello-interval level, on page 2690
- isis hello-multiplier, on page 2691
- isis hello-multiplier level, on page 2692
- isis hello-padding, on page 2693
- isis ipv6 bfd, on page 2694
- isis lsp-interval, on page 2695
- isis mesh-group, on page 2696
- isis metric level-1, on page 2697
- isis metric level-2, on page 2698
- isis mtu-check, on page 2699
- isis mtu-check level-1, on page 2700
- isis mtu-check level-2, on page 2701
- isis network point-to-point, on page 2702
- isis passive-interface, on page 2703
- isis prefix-attributes n-flag-clear, on page 2704

- [isis priority level](#), on page 2705
- [isis retransmit-interval](#), on page 2706
- [isis retransmit-throttle-interval](#), on page 2707
- [isis shutdown](#), on page 2708
- [isis suppressed](#), on page 2709
- [isolate](#), on page 2710
- [isolate](#), on page 2711
- [isolate](#), on page 2712
- [isolate](#), on page 2713
- [isolate](#), on page 2714
- [isolate](#), on page 2715
- [itd](#), on page 2716
- [itd device-group](#), on page 2717
- [itd port-group](#), on page 2718
- [itd session access-list refresh](#), on page 2719
- [itd session device-group](#), on page 2720
- [itd statistics](#), on page 2721
- [itu channel](#), on page 2722

icmp-echo

```
[no] icmp-echo { <hostname> | <ip-address> | <ipv6-address> } { [ source-ip { <source-ip-hostname> | <source-ip-address> | <source-ipv6-address> } ] | [ source-interface <interface> ] }
```

Syntax Description

<i>source-ip</i>	(Optional) <source-ip-hostname>
<i>source-interface</i>	(Optional) <interface>
no	(Optional)
icmp-echo	ICMP Echo Operation
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>interface</i>	(Optional) Source Interface
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed

Command Mode

- /exec/configure/ip-sla

id

[no] id <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
id	Candidate path association group identifier
<i>id</i>	Association group Identifier id

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/assoc/type-disj

id

[no] id <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
id	Candidate path association group identifier
<i>id</i>	Association group Identifier id

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/assoc/type-disj

ignore routable

[no] ignore routable

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl

import

import

Syntax Description

import	import
--------	--------

Command Mode

- /exec/configure

import interface

import interface <if0>

Syntax Description

import	import
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format

Command Mode

- /exec/configure

import l2vpn evpn

[no | default] import l2vpn evpn [route-map <import-map>] [reoriginate]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
import	Import the routes into another AF
l2vpn	L2VPN
evpn	EVPN
reoriginate	(Optional) Reoriginate the route with new RT
route-map	(Optional) Apply route-map to specify import criteria
<i>import-map</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor-ptmp

import map

[no] import map <rmap-name> [evpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
import	VRF import
map	Route-map based VRF import
<i>rmap-name</i>	Route-map name
evpn	(Optional) EVPN

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

import running-config

import running-config [exclude interface ethernet]

Syntax Description

import	import
running-config	running-config
exclude	(Optional) Exclude
interface	(Optional) Exclude all interfaces of this type
ethernet	(Optional) running-config excluding physical interfaces

Command Mode

- /exec/configure

import vpn unicast

[no | default] import vpn unicast [route-map <import-map>] [reoriginate]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
import	Import the routes into another AF
vpn	L3VPN
unicast	unicast
reoriginate	(Optional) Reoriginate the route with new RT
route-map	(Optional) Apply route-map to specify import criteria
<i>import-map</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
/exec/configure/router-bgp/router-bgp-neighbor-ptmp

import vrf advertise-vpn

[no] import vrf advertise-vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
import	VRF import
vrf	Virtual Router Context
advertise-vpn	Allow leaked routes to be advertised to VPN

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

import vrf default map

[no] import vrf default [<prefix-limit>] map <rmap-name> [advertise-vpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
import	VRF import
vrf	Virtual Router Context
default	VRF name (default)
<i>prefix-limit</i>	(Optional) Maximum prefix limit (Default value is 1000)
map	Route-map based VRF import
<i>rmap-name</i>	Route-map name
advertise-vpn	(Optional) Allow leaked routes to be advertised to VPN

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

in-label allocate

[no] in-label <static-inlabel> allocate [policy { <prefix> <mask> | <prefix-mask> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
in-label	Configure local label assignment and forwarding for the LSP
allocate	Allocate this label
policy	(Optional) Allocate policy-based IP prefix
<i>static-inlabel</i>	Label Value
<i>prefix</i>	(Optional) Destination prefix
<i>mask</i>	(Optional) Destination prefix mask
<i>prefix-mask</i>	(Optional) Destination prefix/mask

Command Mode

- /exec/configure/mpls_static/ipv4/lsp

inband-telemetry exporter

[no] inband-telemetry exporter <exportername>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
exporter	Define a events Exporter
<i>exportername</i>	Name of event Exporter

Command Mode

- /exec/configure/config-int

inband-telemetry flow-profile

[no] inband-telemetry flow-profile

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
flow-profile	Define a INT flow-profile

Command Mode

- /exec/configure/config-int

inband-telemetry monitor

[no] inband-telemetry monitor <monitorname>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
monitor	Define a INT Monitor
<i>monitorname</i>	Name of INT Monitor

Command Mode

- /exec/configure/config-int

inband-telemetry queue-profile

[no] inband-telemetry queue-profile [<queue_profilename> | queue-profile-default]

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
queue-profile	Define a INT queue_profile
<i>queue_profilename</i>	(Optional) Name of INT queue_profile
queue-profile-default	(Optional) Queue Profile Default Configuration

Command Mode

- /exec/configure/config-int

inband-telemetry record

[no] inband-telemetry record <recordname>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
record	Define a INT Record
<i>recordname</i>	Record name

Command Mode

- /exec/configure/config-int

inband-telemetry system monitor

[no] inband-telemetry system monitor <monitorname>

Syntax Description

system	global config
inband-telemetry	int global settings
monitor	int Monitor to be applied
<i>monitorname</i>	int Monitor to be applied

Command Mode

- /exec/configure/config-int

inband-telemetry watchlist ip

[no] inband-telemetry watchlist ip <watchlistname>

Syntax Description

inband-telemetry	Enable/Disable inband telemetry configuration
watchlist	Define a INT watchlist
ip	Configure INT IP watchlist
<i>watchlistname</i>	Name of INT watchlist

Command Mode

- /exec/configure/config-int

include-all

[no] include-all

Syntax Description

no	(Optional) Negate a command or set its defaults
include-all	Configure include-all Affinity Constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff

include-all

[no] include-all

Syntax Description

no	(Optional) Negate a command or set its defaults
include-all	Configure include-all Affinity Constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff

include-any

[no] include-any

Syntax Description

no	(Optional) Negate a command or set its defaults
include-any	Configure include-any Affinity Constraints

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/aff

include-any

[no] include-any

Syntax Description

no	(Optional) Negate a command or set its defaults
include-any	Configure include-any Affinity Constraints

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/aff

include-icv-indicator

[no] include-icv-indicator

Syntax Description

include-icv-indicator	Include ICV Indicator paramset in MKPDU
-----------------------	---

Command Mode

- /exec/configure/macsec-policy

include-sci

[no] include-sci

Syntax Description

include-sci	include SCI in sectag
-------------	-----------------------

Command Mode

- /exec/configure/macsec-policy

include-tcp-options

[no] include-tcp-options

Syntax Description

no	(Optional) Negate a command or set its defaults
include-tcp-options	Configure TCP-AO include-tcp-options

Command Mode

- /exec/configure/tcpkeychain-key

include profile

[no] include profile { <all_conf_profile_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
include	Include a port-profile
profile	config-profile
<i>all_conf_profile_name</i>	Enter the name of the profile

Command Mode

- /exec/configure

include profile any

[no] include profile any

Syntax Description

no	(Optional) Negate a command or set its defaults
include	Include a port-profile
profile	config-profile
any	dynamically include profile during apply

Command Mode

- /exec/configure

index-limit

[no] index-limit <index>

Syntax Description

no	(Optional) Negate a command or set its defaults
index-limit	index limit configuration for sid list
<i>index</i>	index limit

Command Mode

- /exec/configure/sr/te/pol/live-det

index-limit

[no] index-limit <index>

Syntax Description

no	(Optional) Negate a command or set its defaults
index-limit	index limit configuration for sid list
<i>index</i>	index limit

Command Mode

- /exec/configure/sr/te/color/live-det

index

{ no index <idx> | index <idx> { mpls label <lbl> | segment-routing srv6 <end-sid> | policy-endpoint } }

Syntax Description

no	Negate a command or set its defaults
index	Next entry index
<i>idx</i>	Index number
mpls	MPLS Label
label	Label Configuration
<i>lbl</i>	MPLS Label value
segment-routing	Segment routing
srv6	SRv6 SID IPv6 address
policy-endpoint	Enable resolvment of path in SRTE based on policy endpoint

Command Mode

- /exec/configure/sr/te/exp_seg_list

ingress-client query-reply

[no] ingress-client query-reply <count>

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-client	Ingress Client Packet Tuners
query-reply	query reply count
<i>count</i>	Specify Service Count

Command Mode

- /exec/configure/mdns-sd

ingress-client query-suppression

[no] ingress-client query-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-client	Ingress Client Packet Tuners
query-suppression	Ingress Query Suppression

Command Mode

- /exec/configure/mdns-sd

ingress-client query-suppression packet-gap

[no] ingress-client query-suppression packet-gap <count>

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-client	Ingress Client Packet Tuners
query-suppression	Ingress Query Suppression
packet-gap	Response frequency for a query
<i>count</i>	Specify Packet gap

Command Mode

- /exec/configure/mdns-sd

ingress-mtu

ingress-mtu <mtu_value> | no ingress-mtu

Syntax Description

no	Negate the command
ingress-mtu	set/reset ingress port mtu value
<i>mtu_value</i>	mtu value

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet handle auto 424

ingress-replication protocol bgp

[no] ingress-replication protocol bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-replication	Configure ingress replication
protocol	Control protocol to use
bgp	Border Gateway Protocol

Command Mode

- /exec/configure/if-nve/vni

ingress-replication protocol static

[no] ingress-replication protocol static

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress-replication	Configure ingress replication
protocol	Control protocol to use
static	Static End-point Configuration

Command Mode

- /exec/configure/if-nve/vni

ingress interface

[no] ingress interface <interface-ref> [next-hop <ip-addr>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ingress	ITD ingress interface
interface	ITD ingress interface
<i>interface-ref</i>	
next-hop	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>ip-addr</i>	(Optional) Next hop IPv4 address connected to ingress interface

Command Mode

- /exec/configure/itd /exec/configure/itd-inout

inherit peer-policy

[no] inherit peer-policy <peer-policy-template-name> <policy-preference>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer-policy	Inherit a peer-policy template
<i>peer-policy-template-name</i>	Template name
<i>policy-preference</i>	Sequence number

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

inherit peer-policy

[no] inherit peer-policy <peer-policy-template-name> <policy-preference>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer-policy	Inherit a peer-policy template
<i>peer-policy-template-name</i>	Template name
<i>policy-preference</i>	Sequence number

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

inherit peer-session

[no] inherit peer-session <peer-session-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer-session	Inherit a peer-session template
<i>peer-session-template-name</i>	Template name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

inherit peer

[no] inherit peer <peer-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a template
peer	Inherit a peer template
<i>peer-template-name</i>	Peer template name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-vrf-neighbor
/exec/configure/router-bgp/router-bgp-prefixneighbor
/exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

inherit port-profile

[no] inherit port-profile { <s0> | <s1> }

Syntax Description

no	(Optional) Negate a command or set its defaults
inherit	Inherit a port-profile
port-profile	Inherit a port-profile
<i>s0</i>	Enter the name of the profile
<i>s1</i>	Enter the name of the profile

Command Mode

- /exec/configure/if-any /exec/configure/if-port-channel exec/configure/if-port-channel-range /exec/configure/if-ethernet-m /exec/configure/if-ethernet-switch-m /exec/configure/if-te /exec/configure/if-pseudowire

initial-delay

[no] initial-delay <time-in-sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
initial-delay	Configure delay interval to connect to the BMP server
<i>time-in-sec</i>	Delay value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

initial-refresh skip

[no] initial-refresh { skip | delay <time-in-sec> }

Syntax Description

no	(Optional) Negate a command or set its defaults
initial-refresh	Configure initial-refresh for the BMP server
skip	Skip sending the initial route update to the BMP server
delay	Delay after which the initial route update is sent to the BMP server
<i>time-in-sec</i>	Delay value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

inject-map exist-map

[no] inject-map <inject-map-name> exist-map <exist-map-name> [copy-attributes]

Syntax Description

no	(Optional) Negate a command or set its defaults
inject-map	Routemap which specifies prefixes to inject
<i>inject-map-name</i>	Route-map name
exist-map	Routemap which specifies exist condition
<i>exist-map-name</i>	Route-map name
copy-attributes	(Optional) Copy attributes from aggregate

Command Mode

- /exec/configure/router-bgp/router-bgp-af

innoshell

innoshell

Syntax Description

innoshell	innoshell
-----------	-----------

Command Mode

- /exec

innoshell cmd

innoshell cmd <cmd>

Syntax Description

innoshell	innoshell
cmd	Specify command
<i>cmd</i>	Quoted commands to be exec

Command Mode

- /exec

innoshell module

innoshell module <module>

Syntax Description

innoshell	innoshell
module	Select module
<i>module</i>	Module number

Command Mode

- /exec

innoshell module cmd

innoshell module <module> cmd <cmd>

Syntax Description

innoshell	innoshell
module	Select module
cmd	Specify command
<i>module</i>	Module number
<i>cmd</i>	Quoted commands to be exec

Command Mode

- /exec

install

```
install { all [ nxos <uri> | kickstart <uri1> | system <uri3> | package <uri4> | serial | ignore-script-errors ] +
[ force ] [ keep-committed-smu ] [ non-disruptive | no-reload | noswitchover | maintenance-mode ] [ bios |
no-save ] [ bios-force | skip-bios-upgrade ] [ non-interruptive ] [ compact ] [ override ] [ skip-kernel-upgrade
] | force-all [ nxos <uri> | serial | ignore-script-errors ] + [ non-disruptive ] [ force ] | all [ epld <uri5> nxos
<uri> | nxos <uri> epld <uri5> | package <uri4> | serial | ignore-script-errors ] + [ force ] [ keep-committed-smu
] [ noswitchover | maintenance-mode ] [ bios | no-save ] [ bios-force | skip-bios-upgrade ] [ non-interruptive
] [ compact ] [ override ] }
```

Syntax Description

install	upgrade software
all	Upgrade the system
ignore-script-errors	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
kickstart	(Optional) boot-variable name
<i>uri1</i>	(Optional) Enter image uri
system	(Optional) boot-variable name
<i>uri3</i>	(Optional) Enter image uri
no-reload	(Optional) Exit right before reload during install.
noswitchover	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
non-interruptive	(Optional) Upgrades the software without any prompts. This option skips all error and sanity checks.
no-save	(Optional) Config not saved. Manually save config before starting install all
bios	(Optional) BIOS Only
bios-force	(Optional) Forcefully upgrade bios.
keep-committed-smu	(Optional) Keep already committed SMU if they match image.
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
non-disruptive	(Optional) Performs an in-service software upgrade (ISSU) to prevent the disruption of data traffic.
compact	(Optional) Compact image offline
override	(Optional) Override the files in bootflash if they exist if TAR image is used
maintenance-mode	(Optional) Enter maintenance-mode before starting disruptive upgrade

skip-kernel-upgrade	(Optional) Kernel will not be upgraded
skip-bios-upgrade	(Optional) BIOS will not be upgraded
nxos	(Optional) boot-variable name
<i>uri</i>	(Optional) Enter image uri
serial	(Optional) Upgrade linecards in serial
package	(Optional) SMU package filename
<i>uri4</i>	(Optional) Enter package uri
epld	(Optional) epld image name
<i>uri5</i>	(Optional) Enter epld image name uri
force-all	Force upgrade the system

Command Mode

- /exec

install activate

install activate <patch> + [no-immediate-reload] [forced]

Syntax Description

install	Install package
activate	Activate package
<i>patch</i>	Package Name
no-immediate-reload	(Optional) Skip immediate reload for reload type patches.
forced	(Optional) non-interactive

Command Mode

- /exec

install add

```
install add { <package-name> | <uri1> } [ vrf <vrf-known-name> ] [ { gpg-key | [ activate [ upgrade | downgrade
| no-immediate-reload ] ] [ forced ] } ]
```

Syntax Description

install	Install package
add	Add package
<i>package-name</i>	Package name
<i>uri1</i>	Enter package uri
vrf	(Optional) Display per-VRF information
<i>vrf-known-name</i>	(Optional) Known VRF name
gpg-key	(Optional) GPG-KEY
activate	(Optional) Activate package
no-immediate-reload	(Optional) Skip immediate reload for reload type patches.
forced	(Optional) non-interactive
upgrade	(Optional) Upgrade package
downgrade	(Optional) Downgrade package

Command Mode

- /exec

install all network-os

install all network-os <uri>

Syntax Description

install	upgrade software
all	Upgrade the system
network-os	non-cisco OS
<i>uri</i>	Enter image uri

Command Mode

- /exec

install commit

install commit [<patch>]

Syntax Description

install	Install package
commit	Commit software patch
<i>patch</i>	(Optional) Package Name

Command Mode

- /exec

install deactivate

install deactivate <patch> + [no-immediate-reload] [forced]

Syntax Description

install	Install package
deactivate	Deactivate package
<i>patch</i>	Package Name[Note: startup configuration may get affected]
no-immediate-reload	(Optional) Skip immediate reload for reload type patches.
forced	(Optional) non-interactive

Command Mode

- /exec

install epld

```
install epld <uri1> { { module { <module> | all } [ reload-opt ] [ force ] } }
```

Syntax Description

install	upgrade software
epld	Install EPLD from EPLD image
<i>uri1</i>	Local URI containing EPLD Image
module	Enter the module number or module range
<i>module</i>	x or x-y
all	Install all the modules
reload-opt	(Optional) Provides option to skip reload
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

install feature-set fcoe-npv

[no] install feature-set fcoe-npv

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
fcoe-npv	FCOE-NPV

Command Mode

- /exec/configure

install feature-set fcoe

[no] install feature-set fcoe

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
fcoe	FCOE

Command Mode

- /exec/configure

install feature-set mpls

[no] install feature-set mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
mpls	MPLS

Command Mode

- /exec/configure

install feature-set virtualization

[no] install feature-set virtualization

Syntax Description

no	(Optional) Negate a command or set its defaults
install	install a feature-set
feature-set	install feature-set
virtualization	VIRTUALIZATION

Command Mode

- /exec/configure

install license

install license <uri0> [<s0>] [format]

Syntax Description

install	upgrade software
license	install license
<i>uri0</i>	Specify URL for license file
<i>s0</i>	(Optional) Specify a target name for the license file
format	(Optional) Reformat the license file to remove invalid characters and formatting

Command Mode

- /exec

install remove

install remove { <patch> | inactive } [forced]

Syntax Description

install	Install package
remove	Remove package
<i>patch</i>	Package Name
inactive	All inactive except non-committed packages
forced	(Optional) Remove package

Command Mode

- /exec

install reset

```
install reset [ nxos { base | full } ]
```

Syntax Description

install	Install package
reset	Reload nxos with default packages
nxos	(Optional) Reloading with basenxos from fullnxos and vice-versa
base	(Optional) Reload with basenxos after resetting
full	(Optional) Reload with fullnxos after resetting

Command Mode

- /exec

install verify

```
install verify { <uri> | package <patch> }
```

Syntax Description

<i>install</i>	Install package
<i>verify</i>	Verify package for signature
<i>uri</i>	Enter package uri
<i>package</i>	Enter active/inactive package
<i>patch</i>	Package Name

Command Mode

- /exec

instance-id

[no] instance-id <iid>

Syntax Description

no	(Optional) Negate a command or set its defaults
instance-id	Configures Instance-ID for global data-mappings
<i>iid</i>	24-bit instance-ID value

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

instance

[no] instance <plistinst> [cross-check] | instance <plistinst>

Syntax Description

no	Negate a command or set its defaults
instance	Configure a parameter list instance
<i>plistinst</i>	Enter the name of the parameter list instance
cross-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/param-list

instance

[no] instance <instance-id> [vlan <vlan-list>]

Syntax Description

no	Negate a command or set its defaults
instance	Map vlans to an MST instance
<i>instance-id</i>	MST instance id
vlan	(Optional) Range of vlans to add to the instance mapping
<i>vlan-list</i>	(Optional) vlan range ex: 1-65, 72, 200 - 300

Command Mode

- /exec/configure/spanning-tree/mst/configuration

instance vlan

instance <instance-id> vlan <vlan-list>

Syntax Description

instance	Map vlans to an MST instance
<i>instance-id</i>	MST instance id
vlan	Range of vlans to add to the instance mapping
<i>vlan-list</i>	vlan range ex: 1-65, 72, 200 - 300

Command Mode

- /exec/configure/spanning-tree/mst/configuration

int-clone-md probe-marker

[no] int-clone-md probe-marker <marker>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
probe-marker	Give a probe-marker value

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md sink collector

[no] int-clone-md sink collector <collectorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
sink	Sink configuration
collector	Define a collector
<i>collectorname</i>	Name of collector

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md sink monitor

[no] int-clone-md sink monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
sink	Sink configuration
monitor	Define a sink Monitor
<i>monitorname</i>	Name of sink Monitor

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md sink record

[no] int-clone-md sink record <recordname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
sink	Sink configuration
record	Define sink record
<i>recordname</i>	Name of sink record

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md source monitor

[no] int-clone-md source monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
source	Source configuration
monitor	Define a source Monitor
<i>monitorname</i>	Name of source Monitor

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md source record

[no] int-clone-md source record <recordname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
source	Source configuration
record	Define Source record
<i>recordname</i>	Name of source record

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md system sink monitor

[no] int-clone-md system sink monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
system	global config
sink	Sink configuration
monitor	Sink Monitor to be applied
<i>monitorname</i>	Sink Monitor to be applied

Command Mode

- /exec/configure/config-int-clone-md

int-clone-md system source monitor

[no] int-clone-md system source monitor <monitorname>

Syntax Description

int-clone-md	Enable/Disable INT Clone MD configuration
system	global config
source	Source configuration
monitor	Source Monitor to be applied
<i>monitorname</i>	Source Monitor to be applied

Command Mode

- /exec/configure/config-int-clone-md

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

{ interface <eid> } | { no interface }

Syntax Description

no	Negate a command or set its defaults
interface	Configure ngoam egress interface
<i>eid</i>	Configure ngoam egress interface

Command Mode

- /exec/configure/configngoamprofile

interface

```
[no] interface <if_list> { [ qos-group <ucastqos-grp> ] }
```

Syntax Description

no	(Optional) Negate the command
interface	Configure capture-scope parameters
<i>if_list</i>	List of interfaces
qos-group	(Optional) Specify qos-group to be associated
<i>ucastqos-grp</i>	(Optional) Value 0-7

Command Mode

- /exec/configure/pkt-drop/profile

interface

[no] interface <interface-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Applied interface
<i>interface-id</i>	Name of interface

Command Mode

- /exec/configure/static-host/dot1q /exec/configure/static-host/vni

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

interface <interface>

Syntax Description

interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Configure interfaces
<i>interface</i>	Interface Name

Command Mode

- /exec/configure

interface

[no] interface <interface_range>

Syntax Description

interface	Configure interfaces
<i>interface_range</i>	

Command Mode

- /exec/configure/config-int-clone-md-source-record

interface

[no] interface <interface_range>

Syntax Description

interface	Configure interfaces
<i>interface_range</i>	

Command Mode

- /exec/configure/config-int-clone-md-sink-record

interface

[no] interface <interface-ref>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	egress interface
<i>interface-ref</i>	

Command Mode

- /exec/configure/itd-port-grp

interface

[no] interface <intf>

Syntax Description

no	(Optional) Negate a command or set its defaults
interface	Specify the srte interface
<i>intf</i>	Interface name

Command Mode

- /exec/configure/sr/te

interface breakout-profile

interface breakout-profile <profile> | no interface breakout-profile [<profile>]

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
breakout-profile	Configure breakout-profile
<i>profile</i>	Breakout Profile

Command Mode

- /exec/configure

interface breakout module

[no] interface breakout module <lem-aware-module> [map <breakout_map>]

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
breakout	Configuring the breakout for a module
module	High Bandwidth Module
<i>lem-aware-module</i>	High Bandwidth Module number
map	(Optional) Breakout Map
<i>breakout_map</i>	(Optional) Breakout Map to be applied to all the ports in this module

Command Mode

- /exec/configure

interface breakout module

```
interface breakout module <lem-aware-module> [ map <breakout_map> ]
```

Syntax Description

interface	Configure interfaces
breakout	Configuring the breakout for a module
module	High Bandwidth Module
<i>lem-aware-module</i>	High Bandwidth Module number
map	(Optional) Breakout Map
<i>breakout_map</i>	(Optional) Breakout Map to be applied to all the ports in this module

Command Mode

- /exec/configure

interface breakout module port

[no] interface breakout module <lem-aware-module> port <port_num> [map <breakout_map>]

Syntax Description

no	Negate a command or set its defaults
interface	Configure interfaces
breakout	Configuring the breakout for an interface
module	High Bandwidth Module
<i>lem-aware-module</i>	High Bandwidth Module number
port	High Bandwidth Port(HBP)
<i>port_num</i>	Parent(HBP / Front-panel) port to be broken out
map	(Optional) Breakout Map
<i>breakout_map</i>	(Optional) Breakout Map to be applied to the parent port

Command Mode

- /exec/configure

interface breakout module port map

```
interface breakout module <lem-aware-module> port <port_num> map <breakout_map>
```

Syntax Description

interface	Configure interfaces
breakout	ConfigurinG the breakout for an interface
module	High Bandwidth Module
<i>lem-aware-module</i>	High Bandwidth Module number
port	High Bandwidth Port(HBP)
<i>port_num</i>	Parent(HBP / Front-panel) port to be broken out
map	Breakout Map
<i>breakout_map</i>	Breakout Map to be applied to the parent port

Command Mode

- /exec/configure

interop-enable

[no] interop-enable

Syntax Description

no	(Optional) Negate a command or set its defaults
interop-enable	Enable interoperability with IOS XR boxes in the network

Command Mode

- /exec/configure/otv-isis

intersight cnmi

```
intersight cnmi { { patch | post | put } <path_str> data <data_str> | { get | delete } <path_str> }
```

Syntax Description

intersight	intersight feature exec command
cnmi	cnmi endpoint
patch	patch
post	post
put	put
get	get
delete	delete
data	Payload in json format
<i>path_str</i>	URI of cnmi API, starting with slash(/)
<i>data_str</i>	Payload in json format

Command Mode

- /exec

intersight device-connector unclaim

intersight device-connector unclaim

Syntax Description

intersight	intersight feature exec command
device-connector	device-connector
unclaim	Force Unclaim

Command Mode

- /exec

intersight inventory

[no] intersight inventory

Syntax Description

no	(Optional) Negate a command or set its defaults
intersight	intersight feature configuration
inventory	Inventory Model enable/disable

Command Mode

- /exec/configure

intersight proxy

[no] intersight proxy <proxy-server> [port <proxy-port>] | no intersight proxy

Syntax Description

no	(Optional) Negate a command or set its defaults
intersight	intersight feature configuration
proxy	Set proxy server, ipv4/ipv6/hostname
port	(Optional) Set proxy server port
<i>proxy-server</i>	IPv4 or IPv6 address or DNS name of proxy server
<i>proxy-port</i>	(Optional) Proxy port number

Command Mode

- /exec/configure

intersight source-interface

[no] intersight source-interface <ifName> | no intersight source-interface

Syntax Description

no	(Optional) Negate a command or set its defaults
intersight	intersight feature configuration
source-interface	Source interface for communication
<i>ifName</i>	Source interface name

Command Mode

- /exec/configure

intersight trustpoint

[no] intersight trustpoint <trustpoint-label> [<host-name>] | no intersight trustpoint

Syntax Description

no	(Optional) Negate a command or set its defaults
intersight	intersight feature configuration
trustpoint	certificate trustpoint
<i>trustpoint-label</i>	trustpoint label name
<i>host-name</i>	(Optional) hostname associated with certificate

Command Mode

- /exec/configure

intersight use-vrf

[no] intersight use-vrf { default | <vrf-cfg-name> } | no intersight use-vrf

Syntax Description

no	(Optional) Negate a command or set its defaults
intersight	intersight feature configuration
use-vrf	Specify the destination vrf
default	Known VRF name
<i>vrf-cfg-name</i>	Configurable VRF name

Command Mode

- /exec/configure

interval

[no] interval <timeinterval>

Syntax Description

interval	Time interval to be configured
<i>timeinterval</i>	time interval in increments of 100ms

Command Mode

- /exec/configure/config-ssx-record

interval

{ interval <interval> }

Syntax Description

interval	Wait
<i>interval</i>	Interval

Command Mode

- /exec/configure/configngoamconnectcheck

interval interval

{ [no] interval | interval <interval> }

Syntax Description

no	(Optional) Negate a command or set its defaults
interval	Configure interval for liveness detection
<i>interval</i>	interval in ms

Command Mode

- /exec/configure/sr/te/live-det

ip

ip { <ipv6address> | autoconfig } | no ip [{ <ipv6address> | autoconfig }]

Syntax Description

no	Negate a command or set its defaults
ip	Enable HSRP IPv6 and set the virtual IP address
autoconfig	Obtain address using autoconfiguration

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv6

ip

```
{ [ no ] <seqnum> <permitdeny> { ip { <src_prefix> | <src_any> } { <dst_prefix> | <dst_any> } } } | { no <seqnum> }
```

Syntax Description

<code>no</code>	(Optional) Negate a command or set its defaults
<code>seqnum</code>	Sequence number
<code>ip</code>	ip
<code>permitdeny</code>	permitdeny
<code>src_prefix</code>	A.B.C.D/nn Source network prefix
<code>src_any</code>	Any source address
<code>dst_prefix</code>	A.B.C.D/nn Destination network prefix
<code>dst_any</code>	Any destination address

Command Mode

- /exec/configure/config-int-watchlist

ip

```
{ { ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> } }
```

Syntax Description

ip	ip address
<i>dstip</i>	Destination ipv4 address
<i>srcip</i>	source ipv4 address
ipv6	ipv6 address

Command Mode

- /exec/configure/configngoamccpayload

ip

[no] ip <ipaddr>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	ip address of redundancy group member
<i>ipaddr</i>	Redundancy-group node IP address

Command Mode

- /exec/configure/if-nve/rgrp

ip

ip [<ipaddress> | <ipprefix>] | no ip [<ipaddress> | <ipprefix>]

Syntax Description

no	Negate a command or set its defaults
ip	Enable HSRP IPv4 and set the virtual IP address
<i>ipaddress</i>	(Optional) Virtual IP address
<i>ipprefix</i>	(Optional) Virtual IP address and mask length

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4

ip

```
{ [ no ] <seqnum> <permitdeny> { ip { <src_prefix> | <src_any> } { <dst_prefix> | <dst_any> } } } | { no <seqnum> }
```

Syntax Description

<code>no</code>	(Optional) Negate a command or set its defaults
<code>seqnum</code>	Sequence number
<code>ip</code>	ip
<code>permitdeny</code>	permitdeny
<code>src_prefix</code>	A.B.C.D/nn Source network prefix
<code>src_any</code>	Any source address
<code>dst_prefix</code>	A.B.C.D/nn Destination network prefix
<code>dst_any</code>	Any destination address

Command Mode

- /exec/configure/config-postcard-watchlist

ip

```
[no] ip { { group <gaddr> } | { group-range <gaddr_start> to <gaddr_end> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	IP Address
group	Multicast group
<i>gaddr</i>	IPv4 group address
group-range	Multicast Group address range
<i>gaddr_start</i>	First Group address
to	Range
<i>gaddr_end</i>	Last Group address

Command Mode

- /exec/configure/nbm-flow-policy/attr

ip

```
[no] ip { { group <gaddr> } | { group-range <gaddr_start> to <gaddr_end> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	IP Address
group	Multicast group
<i>gaddr</i>	IPv4 group address
group-range	Multicast Group address range
<i>gaddr_start</i>	First Group address
to	Range
<i>gaddr_end</i>	Last Group address

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy/attr

ip access-class

[no] ip access-class <acl-ip-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
access-class	Specify IPv4 access control for packets
<i>acl-ip-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/line

ip access-group

[no] ip access-group <acl-ip-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
access-group	Specify access control for packets
<i>acl-ip-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l3

ip access-list

[no] ip access-list <acl-ip-name> [client <clienttype> <clientID>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
access-list	Configure access list
<i>acl-ip-name</i>	List name
client	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clienttype</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clientID</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ip access-list match-local-traffic

[no] ip access-list match-local-traffic | ip access-list match-local-traffic

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
access-list	Configure access list
match-local-traffic	Enable access-list matching for locally generated traffic

Command Mode

- /exec/configure

ip address

[no] ip address [{ <ip-addr> <ip-mask> | <ip-prefix> } [route-preference <pref>] [tag <tag>]] | ip address { <ip-addr> <ip-mask> | <ip-prefix> } [route-preference <pref>] [tag <tag>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on interface
<i>ip-addr</i>	(Optional) IP address in format i.i.i.i
<i>ip-mask</i>	(Optional) IP network mask in format m.m.m.m
<i>ip-prefix</i>	(Optional) IP prefix and network mask length in format x.x.x.x/m
route-preference	(Optional) URIB route preference for local/direct routes
<i>pref</i>	(Optional) Local/direct route preference
tag	(Optional) URIB route tag value for local/direct routes
<i>tag</i>	(Optional) Local/direct tag value

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-mpls-tunnel /exec/configure/if-gre-tunnel /exec/configure/if-vsan /exec/configure/if-cpp

ip address

[no] ip address <ip0>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IPv4 address
address	Configure IPv4 address
<i>ip0</i>	IPv4 address

Command Mode

- /exec/configure/cfs-static

ip address

```
{ ip address <ip-prefix> | no ip address [ <ip-prefix> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on bridge
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m

Command Mode

- /exec/configure/app-hosting-bridge

ip address dhcp

[no] ip address dhcp

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on interface
dhcp	Configure IP address from a dhcp server

Command Mode

- /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-mgmt-config /exec/configure/if-ethernet-all /exec/configure/if-sub

ip address ipv6 address port

[no] { ip address <ip4> | ipv6 address <ip6> } port <portnum> [protocol <proto> encoding <encoder>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Set destination IPv4 address
ipv6	Set destination IPv6 address
address	IP address
port	Set destination port
protocol	(Optional) Set transport protocol
encoding	(Optional) Set encoding format
<i>ip4</i>	Destination IPv4 Address
<i>portnum</i>	Destination port
<i>proto</i>	(Optional)
<i>encoder</i>	(Optional) Set encoding type for this destination

Command Mode

- /exec/configure/telemetry/destination-group

ip address secondary

```
[no] ip address { <ip-addr> <ip-mask> | <ip-prefix> } secondary [ use-bia ] [ route-preference <pref> ] [ tag <tag> ] | ip address { <ip-addr> <ip-mask> | <ip-prefix> } secondary [ use-bia ] [ route-preference <pref> ] [ tag <tag> ]
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
address	Configure IP address on interface
<i>ip-addr</i>	IP address in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
secondary	Configure additional IP addresses on interface
use-bia	(Optional) Use BIA
route-preference	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>pref</i>	(Optional) Local/direct route preference
tag	(Optional) URIB route tag value for local/direct routes
<i>tag</i>	(Optional) Local/direct tag value

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config /exec/configure/if-gre-tunnel /exec/configure/if-6to4-tunnel /exec/configure/if-vsan /exec/configure/if-cpp

ip adjacency route distance

{ ip adjacency route distance <pref> } | { no ip adjacency route distance }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
adjacency	Configure Adjmgr
route	route
distance	admin-distance
<i>pref</i>	preference

Command Mode

- /exec/configure

ip amt anycast-relay-prefix

```
{ { ip amt anycast-relay-prefix <prefix> } | { no ip amt anycast-relay-prefix [ <prefix> ] } } | { ipv6 amt anycast-relay-prefix <prefix6> } | { no ipv6 amt anycast-relay-prefix [ <prefix6> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
anycast-relay-prefix	Configure anycast prefix for AMT relay
<i>prefix</i>	IP anycast prefix for AMT relay

Command Mode

- /exec/configure /exec/configure/vrf

ip amt gateway

[no] ip amt gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
amt	AMT global configuration commands
gateway	Configures IPv4 AMT gateway functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip amt join-policy

```
{ [ no ] { ip | ipv6 } amt join-policy <route-map> [ gateway <groute-map> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
join-policy	Configures what (S,G) are allowed to be joined
<i>route-map</i>	Route-map describing (S,G) entries allowed
gateway	(Optional) Configure join-policy per gateway
<i>groute-map</i>	(Optional) Route-map describing gateway or sets of gateways

Command Mode

- /exec/configure /exec/configure/vrf

ip amt qqic

[no] { ip | ipv6 } amt qqic <qqic-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
qqic	Configure Querier's Query Interval Code
<i>qqic-value</i>	QQIC value

Command Mode

- /exec/configure /exec/configure/vrf

ip amt relay-advertisement-address

```
{ { ip amt relay-advertisement-address <address> } | { no ip amt relay-advertisement-address [ <address> ] } } | { { ipv6 amt relay-advertisement-address <address6> } | { no ipv6 amt relay-advertisement-address [ <address6> ] } } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
relay-advertisement-address	Address to use by AMT relay
<i>address</i>	IP unicast address for AMT relay to use

Command Mode

- /exec/configure /exec/configure/vrf

ip amt relay

[no] ip amt relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
amt	AMT global configuration commands
relay	Configures IPv4 AMT relay functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip amt state-limit

```
{ [ no ] { ip | ipv6 } amt state-limit <limit> [ gateway <route-map> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
state-limit	Configure the maximum number of (S,G) entries allowed
<i>limit</i>	Number of entries total or per AMT gateway
gateway	(Optional) Configure state limit per gateway
<i>route-map</i>	(Optional) Route-map describing gateway or sets of gateways

Command Mode

- /exec/configure /exec/configure/vrf

ip amt tunnel-limit

```
{ { { ip | ipv6 } amt tunnel-limit <limit> } | { no { ip | ipv6 } amt tunnel-limit [ <limit> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
amt	AMT global configuration commands
tunnel-limit	Configure the maximum tunnels allowed
<i>limit</i>	Number of tunnels

Command Mode

- /exec/configure /exec/configure/vrf

ip arp

```
{ ip arp <ip-address> <mac-address> | no ip arp <ip-address> [ <mac-address> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
<i>ip-address</i>	IP address
<i>mac-address</i>	MAC address

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ip arp allow-static-arp-outside-subnet

[no] ip arp allow-static-arp-outside-subnet

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
allow-static-arp-outside-subnet	Allow static ARP outside interface subnet

Command Mode

- /exec/configure

ip arp cache intf-limit

{ ip arp cache intf-limit <limit> } | { no ip arp cache intf-limit }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
cache	ARP cache parameters
intf-limit	No of valid dynamic ARP entries for all interfaces
<i>limit</i>	Maximum number of valid ARP entries

Command Mode

- /exec/configure

ip arp cache intf-limit

{ ip arp cache intf-limit <limit> } | { no ip arp cache intf-limit }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
cache	ARP cache parameters
intf-limit	No of valid dynamic ARP entries per interface
<i>limit</i>	Maximum number of valid ARP entries

Command Mode

- /exec/configure/if-vlan-common

ip arp cache limit

```
{ { ip arp cache limit <max> } | { no ip arp cache limit } } [ syslog <rate> ]
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
cache	ARP cache parameters
limit	Limit size of ARP adjacencies cache
<i>max</i>	Maximum number of ARP entries
syslog	(Optional) Syslog messages
<i>rate</i>	(Optional) Syslogs per second

Command Mode

- /exec/configure

ip arp cos

{ ip arp cos <cosval> } | { no ip arp cos }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
cos	COS for ARP packet
<i>cosval</i>	COS value

Command Mode

- /exec/configure

ip arp delete

```
{ ip arp { delete-adj-on-mac-delete | refresh-adj-on-mac-delete <time-out> } | no ip arp {
delete-adj-on-mac-delete | refresh-adj-on-mac-delete } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
delete-adj-on-mac-delete	Delete the adjacency on MAC delete
refresh-adj-on-mac-delete	Set refresh timer for mac delete trigger
<i>time-out</i>	Refresh value in milliseconds

Command Mode

- /exec/configure/if-vlan-common

ip arp evpn timeout

{ ip arp evpn timeout <time-out> } | { no ip arp evpn timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
evpn	In EVPN topology
timeout	ARP timeout
<i>time-out</i>	Refresh in EVPN on host moves. supported range is (2000-30000) ms

Command Mode

- /exec/configure

ip arp gratuitous hsrp duplicate

{ ip arp gratuitous hsrp duplicate | no ip arp gratuitous hsrp duplicate }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
gratuitous	gratuitous
hsrp	hsrp
duplicate	duplicate address detection

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ip arp gratuitous request

{ ip arp gratuitous request | no ip arp gratuitous request }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
gratuitous	gratuitous
request	Enable/Disable sending grat. arp request when duplicate address detected

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan

ip arp gratuitous update

{ ip arp gratuitous update | no ip arp gratuitous update }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
gratuitous	gratuitous
update	Enable/Disable arp cache updates for gratuitous arp

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ip arp inspection filter vlan

[no] ip arp inspection filter <arp-acl-name> vlan <vlan-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
filter	Filter
<i>arp-acl-name</i>	Access list name
vlan	Vlan range
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

ip arp inspection log-buffer entries

[no] ip arp inspection log-buffer { entries <number1> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
log-buffer	Log Buffer Configuration
entries	Number of entries for log buffer
<i>number1</i>	Number of entries for log buffer

Command Mode

- /exec/configure

ip arp inspection trust

[no] ip arp inspection trust

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
trust	Configure trust state

Command Mode

- /exec/configure/if-switching

ip arp inspection validate

[no] ip arp inspection validate { src-mac | dst-mac | ip1 } +

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
validate	Validate addresses
src-mac	Validate source MAC address
dst-mac	Validate destination MAC address
ip1	Validate IP addresses

Command Mode

- /exec/configure

ip arp inspection vlan

```
[no] ip arp inspection vlan <vlan-id> [ logging { dhcp-bindings { permit | all | inone } } ]
```

Syntax Description

<i>logging</i>	(Optional) dhcp-bindings
no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
inspection	Arp Inspection configuration
vlan	Enable/Disable ARP Inspection on vlans
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
dhcp-bindings	(Optional) Logging of packet that match DHCP bindings
permit	(Optional) Log DHCP Binding Permitted packets
all	(Optional) Log all packets that match DHCP bindings
inone	(Optional) Do not log packets

Command Mode

- /exec/configure

ip arp off-list timeout

{ ip arp off-list timeout <time> } | { no ip arp off-list timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
off-list	off-list
timeout	Expire time
<i>time</i>	Expire time value in seconds

Command Mode

- /exec/configure

ip arp outside-subnet

{ ip arp outside-subnet } | { no ip arp outside-subnet }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
outside-subnet	Enable outside subnet ARP resolutions

Command Mode

- /exec/configure

ip arp outside-subnet

{ ip arp outside-subnet } | { no ip arp outside-subnet }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
outside-subnet	Enable outside subnet ARP resolutions

Command Mode

- /exec/configure/if-igp

ip arp rarp fabric-forwarding

[no] ip arp rarp fabric-forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
rarp	Enable/Disable forwarding of RARP messages on fabric
fabric-forwarding	Forward RARP requests to the fabric

Command Mode

- /exec/configure

ip arp rarp fabric-forwarding rate-limit

[no] ip arp rarp fabric-forwarding rate-limit <rate>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
rarp	Enable/Disable forwarding of RARP messages on fabric
fabric-forwarding	Forward RARP requests to the fabric
rate-limit	Forwarding rate of the RARP frames
<i>rate</i>	RARP frames-per-second

Command Mode

- /exec/configure

ip arp suppression-cache

```
ip arp suppression-cache { [ clear { local | remote } vlan <vlan-id> [ <ip-address> ] ] | [ download remote
vlan <vlan-id> [ <ip-address> ] ] }
```

Syntax Description

clear	(Optional) Clear ARP suppression cache entries
ip	Clear IP commands
download	(Optional) download local entries from ARP cache, remote from l2rib
arp	Clear ARP table and statistics
suppression-cache	ARP-suppression cache
local	(Optional) Local entries
remote	(Optional) Remote entries
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
<i>ip-address</i>	(Optional) IP address

Command Mode

- /exec

ip arp suppression timeout

{ ip arp suppression timeout <time-out> } | { no ip arp suppression timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
suppression	ARP-suppression based event
timeout	ARP timeout
<i>time-out</i>	Time-out value in seconds. Time-out = 0 indicates disabled

Command Mode

- /exec/configure

ip arp synchronize

[no] ip arp synchronize

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	ARP
synchronize	CFS synchronize

Command Mode

- /exec/configure/vpc-domain

ip arp timeout

```
{ ip arp timeout <time-out> } | { no ip arp timeout }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
timeout	ARP timeout
<i>time-out</i>	Time-out value in seconds

Command Mode

- /exec/configure

ip arp timeout

{ ip arp timeout <time-out> } | { no ip arp timeout }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
timeout	ARP timeout
<i>time-out</i>	Time-out value in seconds

Command Mode

- /exec/configure/config-mgmt /exec/configure/if-igp

ip arp unnum-svi-dup-ip-detection

[no] ip arp unnum-svi-dup-ip-detection

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
unnum-svi-dup-ip-detection	Enable duplicate IP detection across VLANs for IP unnumbered SVIs.

Command Mode

- /exec/configure/if-vlan-common

ip arp unnum-svi-sw-replication

[no] ip arp unnum-svi-sw-replication

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
arp	Configure ARP parameters
unnum-svi-sw-replication	ARP packets replication in software for unnumbered SVI

Command Mode

- /exec/configure

ip as-path access-list deny

```
{ ip as-path access-list <aspl-name> [ timeout <sec> ] [ { deny | permit } <line> } } | { no ip as-path access-list <aspl-name> [ timeout <sec> ] [ { deny | permit } <line> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
as-path	BGP autonomous system path filter
access-list	Specify an access list name
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	Known as-path access-list name
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>sec</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify packets to reject
permit	Specify packets to forward
<i>line</i>	A

Command Mode

- /exec/configure

ip as-path access-list seq deny

```
{ ip as-path access-list <aspl-name> seq <seq> [ timeout <sec> ] { { deny | permit } <line> } } | { no ip as-path access-list <aspl-name> seq <seq> [ timeout <sec> ] [ { deny | permit } <line> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
as-path	BGP autonomous system path filter
access-list	Specify an access list name
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	Known as-path access-list name
seq	Sequence number of an entry
<i>seq</i>	Sequence number
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>sec</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify packets to reject
permit	Specify packets to forward
<i>line</i>	A

Command Mode

- /exec/configure

ip authentication key-chain eigrp

[no] { ip | ipv6 } authentication key-chain eigrp <eigrp-ptag> <chain>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
authentication	Configures EIGRP authentication subcommands
key-chain	key-chain
<i>eigrp-ptag</i>	Process tag
<i>chain</i>	name of key-chain
eigrp	EIGRP interface configuration commands

Command Mode

- /exec/configure/if-igp

ip authentication mode eigrp md5

[no] { ip | ipv6 } authentication mode eigrp <eigrp-ptag> md5

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
authentication	Configures EIGRP authentication subcommands
mode	mode
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
md5	Keyed message digest

Command Mode

- /exec/configure/if-igp

ip auto-discard

[no] ip auto-discard

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
auto-discard	Auto 0.0.0.0/0 discard route

Command Mode

- /exec/configure /exec/configure/vrf

ip bandwidth-percent eigrp

```
{ { { ip | ipv6 } bandwidth-percent eigrp <eigrp-ptag> <percent> } | { no { ip | ipv6 } bandwidth-percent eigrp <eigrp-ptag> [ <percent> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
bandwidth-percent	Configures IP-EIGRP bandwidth limit
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>percent</i>	Maximum bandwidth percentage that EIGRP may use
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igp

ip bandwidth eigrp

```
{ { { ip | ipv6 } bandwidth eigrp <eigrp-ptag> <bw> } | { no { ip | ipv6 } bandwidth eigrp <eigrp-ptag> [ <bw> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
bandwidth	Set bandwidth for interface used in EIGRP metric calculation
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>bw</i>	Bandwidth in kilobits
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igrp

ip community-list expanded deny

```
{ ip community-list expanded <name> [ timeout <sec> ] { deny | permit } <line> } | { no ip community-list
expanded <name> [ timeout <sec> ] [ { deny | permit } <line> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
community-list	Add a community list entry
expanded	Add an expanded community list entry
<i>name</i>	Name of expanded community list
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>sec</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify community to reject
permit	Specify community to accept
<i>line</i>	Regular-expression(must

Command Mode

- /exec/configure

ip community-list expanded seq deny

```
{ ip community-list expanded <name> seq <seq> [ timeout <sec> ] { deny | permit } <line> } | { no ip
community-list expanded <name> seq <seq> [ timeout <sec> ] [ { deny | permit } <line> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
community-list	Add a community list entry
expanded	Add an expanded community list entry
<i>name</i>	Name of expanded community list
seq	Sequence number of an entry
<i>seq</i>	Sequence number
timeout	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>sec</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deny	Specify community to reject
permit	Specify community to accept
<i>line</i>	Regular-expression(must

Command Mode

- /exec/configure

ip delay eigrp

```
{ { { ip | ipv6 } delay eigrp <eigrp-ptag> <delay> [ picoseconds ] } | { no { ip | ipv6 } delay eigrp <eigrp-ptag> [ <delay> ] [ picoseconds ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
delay	Set delay for interface used in EIGRP metric calculation
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>delay</i>	Throughput delay
picoseconds	(Optional) Delay units in picoseconds
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igp

ip destination

{ ip { destination | source } <addr> } | { no ip { destination | source } }

Syntax Description

no	Negate a command or set its defaults
ip	specify flow ipv4 address
source	specify flow source ipv4 address
destination	specify flow destination ip address
<i>addr</i>	ipv4 address

Command Mode

- /exec/configure/configngoamprofileflow

ip dhcp option82 suboption circuit-id

[no] ip dhcp option82 suboption circuit-id <format-string>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
option82	DHCP option82
suboption	DHCP option82 suboption information
circuit-id	DHCP option82 suboption circuit-id string configuration
<i>format-string</i>	Format string

Command Mode

- /exec/configure/if-eth-phy /exec/configure/if-eth-port-channel

ip dhcp packet strict-validation

[no] ip dhcp packet strict-validation

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
packet	DHCP packet
strict-validation	DHCP packet strict validation

Command Mode

- /exec/configure/

ip dhcp relay

[no] ip dhcp relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent

Command Mode

- /exec/configure

ip dhcp relay address

[no] ip dhcp relay address [<ip-addr-val> [use-vrf <vrf-name>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
address	Configure DHCP server to refer to
<i>ip-addr-val</i>	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
<i>vrf-name</i>	(Optional) VRF name

Command Mode

- /exec/configure/if-igp /exec/configure/ppm-ethernet-switch /exec/configure/ppm-port-channel-switch

ip dhcp relay dai

[no] ip dhcp relay dai

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
dai	Create database on relay agent for DAI

Command Mode

- /exec/configure

ip dhcp relay information option

[no] ip dhcp relay information option

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Insert relay information in BOOTREQUEST

Command Mode

- /exec/configure

ip dhcp relay information option server-id-override-disable

[no] ip dhcp relay information option server-id-override-disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Insert relay information in BOOTREQUEST
server-id-override-disable	Disable the override of the server-id

Command Mode

- /exec/configure

ip dhcp relay information option trust

[no] ip dhcp relay information option trust

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Relay agent option
trust	Enable relay trust functionality on the system

Command Mode

- /exec/configure

ip dhcp relay information option vpn

[no] ip dhcp relay information option vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
option	Insert relay information in BOOTREQUEST
vpn	Enable relay support across VRFs

Command Mode

- /exec/configure

ip dhcp relay information trust-all

[no] ip dhcp relay information trust-all

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
trust-all	Enable relay trust on all the interfaces

Command Mode

- /exec/configure

ip dhcp relay information trusted

[no] ip dhcp relay information trusted

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
information	Relay agent information option
trusted	Enable relay trust on this interface

Command Mode

- /exec/configure/if-igp

ip dhcp relay source

```
ip dhcp relay { source-interface <interface-name> } | no ip dhcp relay { source-interface [ <interface-name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
source-interface	Configure source interface for DHCP relay
<i>interface-name</i>	Source interface

Command Mode

- /exec/configure /exec/configure/if-igp

ip dhcp relay sub-option circuit-id customized

[no] ip dhcp relay sub-option circuit-id customized

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Relay agent information option sub-option
circuit-id	sub-option of option82
customized	circuit id customized to include vlan id, slot and port info

Command Mode

- /exec/configure

ip dhcp relay sub-option circuit-id format-type string

[no] ip dhcp relay sub-option circuit-id format-type string [format <format-string>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Relay agent suboption
circuit-id	Relay agent circuit-id suboption
format-type	Specify suboption format type
string	Use string format for suboption
format	(Optional) Specify format string
<i>format-string</i>	(Optional) Format string

Command Mode

- /exec/configure

ip dhcp relay sub-option format non-tlv

[no] ip dhcp relay sub-option format non-tlv

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Option82 sub-option parameters
format	Sub-option format type
non-tlv	Remove TLV format in circuit-ID and remote-ID sub-options

Command Mode

- /exec/configure

ip dhcp relay sub-option type cisco

[no] ip dhcp relay sub-option type cisco

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	DHCP relay agent parameters
sub-option	Relay agent suboption
type	Relay agent suboption type
cisco	Use Cisco proprietary suboptions

Command Mode

- /exec/configure

ip dhcp relay subnet-selection

{ ip dhcp relay subnet-selection <ip-addr> } | { no ip dhcp relay subnet-selection }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
relay	Configure relay agent
subnet-selection	Configure gateway address for DHCP relay
<i>ip-addr</i>	IP address

Command Mode

- /exec/configure/if-igmp

ip dhcp smart-relay

[no] ip dhcp smart-relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay on interface

Command Mode

- /exec/configure/if-igp

ip dhcp smart-relay global

[no] ip dhcp smart-relay global

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay
global	Configure DHCP smart relay globally

Command Mode

- /exec/configure

ip dhcp snooping

[no] ip dhcp snooping

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping

Command Mode

- /exec/configure/

ip dhcp snooping information option

[no] ip dhcp snooping information option

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
information	DHCP Snooping information
option	DHCP Snooping information option

Command Mode

- /exec/configure/

ip dhcp snooping ipsg-excluded vlan

[no] ip dhcp snooping ipsg-excluded vlan <vlan-id10>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
ipsg-excluded	exclude ipsg
vlan	DHCP Snooping ipsg excluded vlan
<i>vlan-id10</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

ip dhcp snooping sub-option circuit-id format-type string

[no] ip dhcp snooping sub-option circuit-id format-type string [format <format-string>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP snooping parameters
sub-option	suboption
circuit-id	circuit-id suboption
format-type	Specify suboption format type
string	Use string format for suboption
format	(Optional) Specify format string
<i>format-string</i>	(Optional) Format string

Command Mode

- /exec/configure

ip dhcp snooping sub-option format non-tlv

[no] ip dhcp snooping sub-option format non-tlv

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP snooping parameters
sub-option	Option82 sub-option parameters
format	Sub-option format type
non-tlv	Remove TLV format in circuit-ID and remote-ID sub-options

Command Mode

- /exec/configure

ip dhcp snooping trust

[no] ip dhcp snooping trust

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
trust	DHCP Snooping trust config

Command Mode

- /exec/configure/if-switching

ip dhcp snooping verify mac-address

[no] ip dhcp snooping verify mac-address

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
verify	DHCP snooping verify
mac-address	DHCP snooping verify mac-address

Command Mode

- /exec/configure/

ip dhcp snooping vlan

[no] ip dhcp snooping vlan <vlan-id10> [evpn]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dhcp	Configure DHCP snooping or relay
snooping	DHCP Snooping
vlan	DHCP Snooping vlan
<i>vlan-id10</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
evpn	(Optional) FHS extended to evpn

Command Mode

- /exec/configure

ip directed-broadcast

[no] ip directed-broadcast [<acl-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
directed-broadcast	IP directed-broadcast
<i>acl-name</i>	(Optional) ACL policy name

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip distribute-list eigrp

```
[no] { ip | ipv6 } distribute-list eigrp <eigrp-ptag> { { route-map <map> } | { prefix-list <list> } } { in | out }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
distribute-list	Filter networks in routing updates
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
route-map	Use a route-map for route filtering
<i>map</i>	Route-map name
prefix-list	Use a prefix-list for route filtering
<i>list</i>	Reference to prefix-list name
in	Filter incoming routing updates
out	Filter outgoing routing updates

Command Mode

- /exec/configure/if-igp

ip dns source-interface

[no] ip dns source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
dns	Configure dns client
source-interface	Configure source interface feature for domain-lookup
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip domain-list

```
[no] ip domain-list { <s0> | <s1> [ use-vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
domain-list	Add additional domain names
<i>s0</i>	Enter a domain
<i>s1</i>	Enter a domain
use-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip domain-lookup

[no] ip domain-lookup

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
domain-lookup	Enable/Disable DNS

Command Mode

- /exec/configure

ip domain-name

```
[no] ip domain-name { <s0> | <s1> [ use-vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
domain-name	Specify default domain name
<i>s0</i>	Enter the default domain
<i>s1</i>	Enter the default domain
use-vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip drop-glean

[no] ip drop-glean

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
drop-glean	Installs the secondary subnet routes as Drop routes

Command Mode

- /exec/configure/if-vlan-common

ip dscp-lop

[no] ip dscp-lop | ip dscp-lop { <dscp-val> | <dscp-enum> }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
dscp-lop	Set DSCP to be used for locally originated packets for IPv4 and IPv6. Cos will not be set.
<i>dscp-val</i>	Specify DSCP value for Locally Originated packets for IPv4 and IPv6
<i>dscp-enum</i>	

Command Mode

- /exec/configure

ip dscp

[no] ip dscp <dscp_value>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Set ERSPAN IP options
dscp	Set the IP DSCP value
<i>dscp_value</i>	

Command Mode

- /exec/configure/config-monitor-erspan-src

ip eigrp bfd

[no] ip eigrp <eigrp-ptag> bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
bfd	Enable BFD on this interface
disable	(Optional) Disable BFD on this interface

Command Mode

- /exec/configure/if-igp

ip eigrp shutdown

[no] { ip | ipv6 } eigrp <eigrp-ptag> shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
shutdown	Shutdown EIGRP on this interface

Command Mode

- /exec/configure/if-igp

ip extcommunity-list expanded seq deny

{ ip extcommunity-list expanded <name> seq <seq> { deny | permit } <line> } | { no ip extcommunity-list expanded <name> seq <seq> [{ deny | permit } <line>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
extcommunity-list	Add a extcommunity list entry
expanded	Add an expanded extcommunity list entry
<i>name</i>	Name of expanded extcommunity list
seq	Sequence number of an entry
<i>seq</i>	Sequence number
deny	Specify extcommunity to reject
permit	Specify extcommunity to accept
<i>line</i>	Regular-expression(must

Command Mode

- /exec/configure

ip extcommunity-list standard seq permit 4byteas-generic transitive

```
{ { ip extcommunity-list standard <name> seq <seq> { permit | deny } { { 4byteas-generic { transitive
<ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } | { rmac <mac-addr> } | { rt {
<ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { soo { <ext-comm-soo-aa2nn4> |
<ext-comm-soo-aa4nn2> } } } + } | { no ip extcommunity-list standard <name> seq <seq> [ permit | deny ]
[ { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } | { rmac
<mac-addr> } | { rt { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { soo { <ext-comm-soo-aa2nn4>
| <ext-comm-soo-aa4nn2> } } ] + } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
extcommunity-list	Add a extcommunity list entry
standard	Add a standard Extcommunity list entry
<i>name</i>	Standard extcommunity list name
seq	Sequence number of an entry
<i>seq</i>	Sequence number
permit	Specify extcommunity to accept
deny	Specify extcommunity to reject
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
rmac	Router MAC
rt	Router-Target
soo	Site-Of-Origin
<i>mac-addr</i>	MAC address
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
<i>ext-comm-rt-aa2nn4</i>	Extcommunity number
<i>ext-comm-rt-aa4nn2</i>	Extcommunity number

<i>ext-comm-soo-aa2nn4</i>	Extcommunity number
<i>ext-comm-soo-aa4nn2</i>	Extcommunity number
<i>rt</i>	(Optional) soo
<i>transitive</i>	(Optional) non-transitive

Command Mode

- /exec/configure

ip flow monitor input

[no] ip flow monitor <monitorname> { input | output }

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic
output	Apply Flow Monitor on output traffic

Command Mode

- /exec/configure/if-vethernet /exec/configure/if-veth /exec/configure/if-veth-all /exec/configure/if-veth-any

ip flow monitor input

[no] ip flow monitor <monitorname> { input | output }

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic
output	Apply Flow Monitor on output traffic

Command Mode

- /exec/configure/if-routing /exec/configure/if-switching /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

ip flow monitor input

[no] ip flow monitor <monitorname> { input | output }

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic
output	Apply Flow Monitor on output traffic

Command Mode

- /exec/configure/vlan-config

ip flow monitor input

[no] ip flow monitor <monitorname> { input | output }

Syntax Description

ip	Configure IP features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic
output	Apply Flow Monitor on output traffic

Command Mode

- /exec/configure/if-vlan-common

ip flow rtp

[no] ip flow rtp [<ipv4-acl>]

Syntax Description

ip	ipv4 configuration
flow	Enable/Disable NetFlow configuration
rtp	configure rtp flows for packet loss monitoring
<i>ipv4-acl</i>	(Optional) ipv4 ACL name

Command Mode

- /exec/configure

ip forward

ip forward | no ip forward

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
forward	Enable ip forwarding on interface

Command Mode

- /exec/configure/if-vlan /exec/configure/if-vlan-range /exec/configure/if-igp

ip ftp source-interface

[no] ip ftp source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ftp	Configure FTP client
source-interface	Configure source interface feature for FTP client
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip hello-interval eigrp

```
{ { { ip | ipv6 } hello-interval eigrp <eigrp-ptag> <hello-interval> } | { no { ip | ipv6 } hello-interval eigrp <eigrp-ptag> [ <hello-interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
hello-interval	Configures IP-EIGRP hello interval
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>hello-interval</i>	Seconds between hello transmissions
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igp

ip hold-time eigrp

```
{ { { ip | ipv6 } hold-time eigrp <eigrp-ptag> <holdtime> } | { no { ip | ipv6 } hold-time eigrp <eigrp-ptag> [ <holdtime> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
hold-time	Configures IP-EIGRP hold time
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>holdtime</i>	Seconds before neighbor is considered down
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igp

ip host

[no] ip host <s0> [<ipv4_0>] | ip host <s0> <ipv4_0>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
host	Add an entry to the ip hostname table
s0	Name of Host
ipv4_0	(Optional) Enter an IP address

Command Mode

- /exec/configure

ip http source-interface

[no] ip http source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
http	Configure HTTP client
source-interface	Configure source interface feature for HTTP client
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip icmp-errors source-interface

ip icmp-errors source-interface <interface> [<icmp_type>] | no ip icmp-errors source-interface [<interface> <icmp_type>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
icmp-errors	ICMP unreachable/TTL-exceeded/param-prob messages
source-interface	Configure source-address for applications
<i>interface</i>	Interface to pick source-address from
<i>icmp_type</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure /exec/configure/vrf

ip igmp any-query-destination

[no] ip igmp any-query-destination

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
any-query-destination	Allow any destination-IP for General Queries

Command Mode

- /exec/configure

ip igmp enforce-router-alert

[no] ip igmp enforce-router-alert

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
enforce-router-alert	Enforce Router Alert option check for IGMPv2 and IGMPv3 packets

Command Mode

- /exec/configure

ip igmp flush-routes

[no] ip igmp flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
flush-routes	Remove routes when restarting IGMP

Command Mode

- /exec/configure

ip igmp group-timeout

```
{ { no ip igmp group-timeout [ <time> ] } | { ip igmp group-timeout <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
group-timeout	Configures group membership timeout for IGMPv2
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ip igmp heavy-template

[no] ip igmp heavy-template

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
heavy-template	IGMP heavy for IGMP scale

Command Mode

- /exec/configure

ip igmp host-proxy

```
[no] ip igmp host-proxy [ sg-proxy ] [ unsolicited <time> | route-map <route-map-name> [ unsolicited <time> ] | prefix-list <prefix-list-name> [ unsolicited <time> ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
host-proxy	Configures igmp host proxy for this interface
sg-proxy	(Optional) source-group proxy
route-map	(Optional) host proxy route-map policy
prefix-list	(Optional) host proxy prefix-list policy
unsolicited	(Optional) unsolicited joins
<i>time</i>	(Optional) Time in seconds.
<i>route-map-name</i>	(Optional) Route-map name
<i>prefix-list-name</i>	(Optional) Name of prefix-list

Command Mode

- /exec/configure/if-igp

ip igmp immediate-leave

[no] ip igmp immediate-leave

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
immediate-leave	Enable/Disable immediate leave

Command Mode

- /exec/configure/if-igp

ip igmp join-group

```
[no] ip igmp join-group { { <group> [ source <source> ] } | { route-map <route-map-name> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
join-group	Configures local group membership for router
<i>group</i>	Multicast group IP address
source	(Optional) Configures source address for IGMPv3 (S,G) Channel
<i>source</i>	(Optional) Source IP address
route-map	Join group policy
<i>route-map-name</i>	Route-map name

Command Mode

- /exec/configure/if-igp

ip igmp last-member-query-count

```
{ { no ip igmp last-member-query-count [ <count> ] } | { ip igmp last-member-query-count <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
last-member-query-count	Configures number of group-specific Queries sent
<i>count</i>	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ip igmp last-member-query-response-time

```
{ { no ip igmp last-member-query-response-time [ <interval> ] } | { ip igmp last-member-query-response-time <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
last-member-query-response-time	Configures last member query response time
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ip igmp querier-elect strict

[no] ip igmp querier-elect strict

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
querier-elect	Querier election
strict	Consider subnet check for L3 igmp querier election

Command Mode

- /exec/configure

ip igmp querier

```
{ { no ip igmp { querier-timeout | query-timeout } [ <time> ] } | { ip igmp { querier-timeout | query-timeout } <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
querier-timeout	Configures querier timeout for IGMPv2
query-timeout	Configures querier timeout for IGMPv2
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ip igmp query-interval

```
{ { no ip igmp query-interval [ <interval> ] } | { ip igmp query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
query-interval	Configures interval between Query transmission
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ip igmp query-max-response-time

```
{ { no ip igmp query-max-response-time [ <time> ] } | { ip igmp query-max-response-time <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
query-max-response-time	Configures MRT for query messages
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ip igmp report-link-local-groups

[no] ip igmp report-link-local-groups

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
report-link-local-groups	Send Reports for groups in 224.0.0.0/24

Command Mode

- /exec/configure/if-igp

ip igmp report prefix-list

```
{ { ip igmp { report-policy | access-group } { <route-map-name> | prefix-list <prefix-list-name> } } | { no ip igmp { report-policy | access-group } [ <route-map-name> | prefix-list <prefix-list-name> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
report-policy	IGMP Report Policy
access-group	IGMP access-group
<i>route-map-name</i>	Route-map name
prefix-list	Prefix list policy
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure/if-igp

ip igmp robustness-variable

```
{ { no ip igmp robustness-variable [ <value> ] } | { ip igmp robustness-variable <value> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
robustness-variable	Configures RFC defined Robustness Variable
<i>value</i>	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ip igmp snooping

```
{ { no ip igmp snooping } | { ip igmp snooping } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping

Command Mode

- /exec/configure

ip igmp snooping

{ { no ip igmp snooping } | { ip igmp snooping } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping access-group

[no] ip igmp snooping access-group <route-map-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
access-group	Filter or report policy for specified groups
<i>route-map-name</i>	Filter route-map name

Command Mode

- /exec/configure/vlan-config

ip igmp snooping disable-nve-static-router-port

[no] ip igmp snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ip igmp snooping disable-nve-static-router-port

[no] ip igmp snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ip igmp snooping explicit-tracking

```
{ { no ip igmp snooping explicit-tracking } | { ip igmp snooping explicit-tracking } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
explicit-tracking	Configures Explicit Host tracking for VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping fast-leave

{ { no ip igmp snooping fast-leave } | { ip igmp snooping fast-leave } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
fast-leave	Configures Fast leave for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping group-timeout

[no] ip igmp snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
group-timeout	Configures group membership timeout in all VLAN/BDs
<i>timeout</i>	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure

ip igmp snooping group-timeout

[no] ip igmp snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
group-timeout	Configures group membership timeout in VLAN/BD
<i>timeout</i>	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping last-member-query-interval

```
{ { no ip igmp snooping last-member-query-interval [ <interval> ] } | { ip igmp snooping
last-member-query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
last-member-query-interval	Configures interval between group-specific Query transmissions
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping link-local-groups-suppression

[no] ip igmp snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
link-local-groups-suppression	Configures VLAN/BD link-local groups suppression

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping link-local-groups-suppression

[no] ip igmp snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
link-local-groups-suppression	Configures Global link-local groups suppression

Command Mode

- /exec/configure

ip igmp snooping many-to-one-enhance

[no] ip igmp snooping many-to-one-enhance

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
many-to-one-enhance	Enable many to one optimization for n3500 platform

Command Mode

- /exec/configure

ip igmp snooping max-gq-miss

```
{ { no ip igmp snooping max-gq-miss } | { ip igmp snooping max-gq-miss <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
max-gq-miss	Configure general query miss count
<i>count</i>	Max number of GQ misses allowed

Command Mode

- /exec/configure

ip igmp snooping mrouter interface

```
{ [ no ] ip igmp snooping mrouter interface [ vsi ] <interface> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
mrouter	Configures static multicast router interface
interface	Specify interface for static-mrouter
vsi	(Optional) Specify if this interface is a VSI
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping mrouter vpc-peer-link

[no] ip igmp snooping mrouter vpc-peer-link

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
mrouter	Configures static multicast router interface
vpc-peer-link	Specify vpc-peer-link as static mrouter for all VLAN/BDS

Command Mode

- /exec/configure

ip igmp snooping optimise-multicast-flood

[no] ip igmp snooping optimise-multicast-flood

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
optimise-multicast-flood	Configures Optimized Multicast Flood (OMF) on all VLAN/BDs

Command Mode

- /exec/configure

ip igmp snooping proxy-leave use-group-address

```
{ { ip igmp snooping proxy-leave use-group-address } | { no ip igmp snooping proxy-leave use-group-address } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
proxy-leave	Proxy Leave
use-group-address	Use group address for proxy leave

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping proxy general-queries

[no] ip igmp snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
proxy	Configures IGMP snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
<i>mrt</i>	(Optional) MRT in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping proxy general-queries

[no] ip igmp snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
proxy	Configures IGMP snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
<i>mrt</i>	(Optional) MRT in seconds

Command Mode

- /exec/configure

ip igmp snooping querier-timeout

```
{ { no ip igmp snooping querier-timeout [ <time> ] } | { ip igmp snooping querier-timeout <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
querier-timeout	Configures querier timeout for IGMPv2
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping querier

```
{ { no ip igmp snooping querier [ <querier> ] } | { ip igmp snooping querier <querier> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
querier	Enables snooping querier
<i>querier</i>	(Optional) Querier IP address

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping query-interval

{ { no ip igmp snooping query-interval [<interval>] } | { ip igmp snooping query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
query-interval	Configures interval between query transmission
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping query-max-response-time

```
{ { no ip igmp snooping query-max-response-time [ <time> ] } | { ip igmp snooping query-max-response-time <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
query-max-response-time	Configures MRT for query messages
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping query flood

{ { no ip igmp snooping query flood } | { ip igmp snooping query flood } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
query	IGMP Query Configuration for VLAN/BD
flood	Flood Query on all Ports in VLAN/BD

Command Mode

- /exec/configure

ip igmp snooping query flood

{ { no ip igmp snooping query flood } | { ip igmp snooping query flood } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
query	IGMP Query Configuration for VLAN/BD
flood	Flood Query on all Ports in VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping report-flood all

```
{ { ip igmp snooping report-flood { all | interface <interface> } } | { no ip igmp snooping report-flood { all | interface <interface> } } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
report-flood	Configures Report flooding on a VLAN
interface	Specify interface for report flooding
all	Flood on ALL active ports of VLAN
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping report-suppression

{ { no ip igmp snooping report-suppression } | { ip igmp snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
report-suppression	Configures Global IGMPv1/IGMPv2 Report Suppression

Command Mode

- /exec/configure

ip igmp snooping report-suppression

{ { no ip igmp snooping report-suppression } | { ip igmp snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
report-suppression	Configures IGMPv1/IGMPv2 Report Suppression for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping report prefix interface

```
{ [ no ] ip igmp snooping { report-policy | access-group } { prefix-list | route-map } <pname> interface
<interface> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
report-policy	IGMP Report Policy
access-group	Filter or report policy for specified groups
prefix-list	IPv4 Prefix-List report policy
route-map	Route-Map report policy
<i>pname</i>	Policy Name
interface	Specify interface for filtering
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping robustness-variable

```
{ { no ip igmp snooping robustness-variable [ <value> ] } | { ip igmp snooping robustness-variable <value> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
robustness-variable	Configures RFC defined Robustness Variable
<i>value</i>	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping startup-query-count

```
{ { no ip igmp snooping startup-query-count [ <count> ] } | { ip igmp snooping startup-query-count <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
startup-query-count	Configures number of queries sent at startup
<i>count</i>	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping startup-query-interval

```
{ { no ip igmp snooping startup-query-interval [ <interval> ] } | { ip igmp snooping startup-query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
startup-query-interval	Configures query interval at startup
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping static-group interface

```
{ [ no ] ip igmp snooping static-group <group> [ source <source> ] interface [ vsi ] <interface> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
static-group	Configures static group membership
<i>group</i>	Group IP Address
source	(Optional) Configures static (S,G) channel
<i>source</i>	(Optional) Source IP Address
interface	Specify interface for static-group
vsi	(Optional) Specify if this interface is a VSI
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping syslog-threshold

{ ip igmp snooping syslog-threshold <percentage> } | { no ip igmp snooping syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
syslog-threshold	IGMP SNOOPING table syslog threshold
<i>percentage</i>	Percentage

Command Mode

- /exec/configure

ip igmp snooping v3-report-suppression

```
{ { no ip igmp snooping v3-report-suppression } | { ip igmp snooping v3-report-suppression } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
v3-report-suppression	Configures Global IGMPv3 Report Suppression and Proxy Reporting

Command Mode

- /exec/configure

ip igmp snooping v3-report-suppression

{ { no ip igmp snooping v3-report-suppression } | { ip igmp snooping v3-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
v3-report-suppression	Configures IGMPv3 Report Suppression and Proxy Reporting for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping version

```
{ { no ip igmp snooping version [ <version> ] } | { ip igmp snooping version <version> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP configuration commands
snooping	Configures IGMP Snooping
version	Configures IGMP version number for VLAN/BD
<i>version</i>	(Optional) Version number value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ip igmp snooping vxlan-umc drop

[no] ip igmp snooping vxlan-umc drop [vlan <vlans-range>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
vxlan-umc	Turn off flooding on VLANs
drop	Drop unknown multicast traffic on all VLANs
vlan	(Optional) VLAN list to drop the unknown multicast traffic
<i>vlans-range</i>	(Optional) VLAN IDs for which unknown multicast traffic is dropped

Command Mode

- /exec/configure

ip igmp snooping vxlan

{ { no ip igmp snooping vxlan } | { ip igmp snooping vxlan } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
snooping	Configures IGMP Snooping
vxlan	Configures Snooping for vxlan vlans

Command Mode

- /exec/configure

ip igmp spoof-check

[no] ip igmp spoof-check

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
spoof-check	Enable spoof check for IGMP

Command Mode

- /exec/configure

ip igmp ssm-translate

[no] ip igmp ssm-translate <group> <source>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP global configuration commands
ssm-translate	Translate IGMPv1/v2 reports to (S,G) route entries
<i>group</i>	IP Multicast group range
<i>source</i>	IP Multicast address source

Command Mode

- /exec/configure /exec/configure/vrf

ip igmp startup-query-count

```
{ { no ip igmp startup-query-count [ <count> ] } | { ip igmp startup-query-count <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
startup-query-count	Configures number of queries sent at startup
<i>count</i>	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ip igmp startup-query-interval

```
{ { no ip igmp startup-query-interval [ <interval> ] } | { ip igmp startup-query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
startup-query-interval	Configures query interval at startup
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ip igmp state-limit

```
{ { ip igmp state-limit <max-states> [ reserved <route-map-name> <max-reserved> ] } | { no ip igmp state-limit [ <max-states> [ reserved <route-map-name> <max-reserved> ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
state-limit	Configures State limit
<i>max-states</i>	Maximum states allowed
reserved	(Optional) Reserve the states using route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>max-reserved</i>	(Optional) Maximum (*,G)/(S,G) entires allowed on the interface

Command Mode

- /exec/configure/if-igp

ip igmp suppress v3-gsq

[no] ip igmp suppress v3-gsq

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
suppress	Suppress
v3-gsq	v3 GSQ

Command Mode

- /exec/configure/if-igp

ip igmp syslog-threshold

{ ip igmp syslog-threshold <percentage> } | { no ip igmp syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP related events
syslog-threshold	IGMP table syslog threshold
<i>percentage</i>	Percentage

Command Mode

- /exec/configure

ip igmp version

```
{ { no ip igmp version [ <version> ] } | { ip igmp version <version> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
igmp	IGMP interface configuration commands
version	Configures IGMP version number for interface
<i>version</i>	(Optional) Version number value

Command Mode

- /exec/configure/if-igp

ip large-community-list expanded seq deny

```
{ ip large-community-list expanded <name> seq <seq> { deny | permit } <line> } | { no ip large-community-list
expanded <name> [ seq <seq> [ { deny | permit } <line> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
large-community-list	Add a large community list entry
expanded	Add an expanded large community list entry
<i>name</i>	Name of expanded large community list
seq	Sequence number of an entry
<i>seq</i>	Sequence number
deny	Specify large community to reject
permit	Specify large community to accept
<i>line</i>	Regular-expression(must

Command Mode

- /exec/configure

ip large-community-list standard seq permit

```
{ { ip large-community-list standard <name> seq <seq> { permit | deny } <large-comm-xyyzz> + } | { no ip large-community-list standard <name> [ seq <seq> [ { permit | deny } <large-comm-xyyzz> + ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
large-community-list	Add a large community list entry
standard	Add a standard large community list entry
<i>name</i>	Standard large community list name
seq	Sequence number of an entry
<i>seq</i>	Sequence number
permit	Specify large community to accept
deny	Specify large community to reject
<i>large-comm-xyyzz</i>	Large Community number in xx:yy:zz format
<i>large-comm-xyyzz</i>	(Optional)

Command Mode

- /exec/configure

ip lisp alt-vrf

```
{ { [ no ] ip lisp alt-vrf { <vrf-name> | <vrf-known-name> } } | { [ no ] ipv6 lisp alt-vrf { <vrf-name> | <vrf-known-name> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
alt-vrf	Activate LISP-ALT functionality in VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp database-mapping dynamic priority weight

```
{ [ no ] ip lisp database-mapping <eid-prefix> { <locator> | <locator6> | { dynamic <interface> } } priority
<priority> weight <weight> } | { no ip lisp database-mapping <eid-prefix> { <locator> | <locator6> | { dynamic
<interface> } } } | { [ no ] ipv6 lisp database-mapping <eid-prefix6> { <locator> | <locator6> | { dynamic
<interface> } } } priority <priority> weight <weight> } | { no ipv6 lisp database-mapping <eid-prefix6> {
<locator> | <locator6> | { dynamic <interface> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
database-mapping	Configures Locator addresses for an ETR
<i>eid-prefix</i>	IP EID-prefix to advertise locators for
<i>locator</i>	IP address of loopback or other ETR loopback interface
dynamic	Get locator dynamically
<i>interface</i>	Interface to learn dynamic locator
priority	Configures which Locators from a set are preferred
<i>priority</i>	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
<i>weight</i>	Specified in a percentage from 0 to 100

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr

[no] { ip | ipv6 } lisp etr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
etr	Configures LISP Egress Tunnel Router (ETR) parameters

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr accept-map-request-mapping

```
{ { [ no ] ip lisp etr accept-map-request-mapping [ verify ] } | { [ no ] ipv6 lisp etr accept-map-request-mapping [ verify ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
accept-map-request-mapping	Configures an ETR to cache mappings received from Map-Request messages
verify	(Optional) Send Map-Request back to Map-Request originator of a Mapping Data Record

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr glean-mapping

```
{ { [ no ] ip lisp etr glean-mapping [ verify ] } | { [ no ] ipv6 lisp etr glean-mapping } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
glean-mapping	Glean locator mapping from outer DA for inner DA EID
verify	(Optional) Send Map-Request to ITR to verify data gleaning

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr map-cache-ttl

{ [no] ip lisp etr map-cache-ttl <minutes> } | { no ip lisp etr map-cache-ttl } | { [no] ipv6 lisp etr map-cache-ttl <minutes> } | { no ipv6 lisp etr map-cache-ttl }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
map-cache-ttl	Configures TTL for Map-Reply messages
<i>minutes</i>	Time-to-Live in units of minutes

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr map-register-ttl

{ [no] ip lisp etr map-register-ttl <minutes> } | { no ip lisp etr map-register-ttl } | { [no] ipv6 lisp etr map-register-ttl <minutes> } | { no ipv6 lisp etr map-register-ttl }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
etr	Configures LISP Egress Tunnel Router (ETR) parameters
lisp	LISP global configuration commands
map-register-ttl	Configures TTL for Map-Register messages
<i>minutes</i>	Time-to-Live in units of minutes

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp etr map-server key

```
{ { [ no ] ip lisp etr map-server { <ms> | <ms6> } [ key-type { sha1 | sha2 } ] key <key> } | { [ no ] ipv6 lisp
etr map-server { <ms> | <ms6> } [ key-type { sha1 | sha2 } ] key <key> } | { [ no ] ip lisp etr map-server {
<ms> | <ms6> } proxy-reply } | { [ no ] ipv6 lisp etr map-server { <ms> | <ms6> } proxy-reply } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
etr	Configures LISP Egress Tunnel Router (ETR) parameters
map-server	To interact with Map-Server
<i>ms</i>	Address of IPv4 map-server
key-type	(Optional) Authentication key type, either sha1 or sha2
sha1	(Optional) Use sha1 authentication in Map-Register messages
sha2	(Optional) Use sha2 authentication in Map-Register messages
key	Authentication key used with Map-Server
<i>key</i>	SHA-1 password key
proxy-reply	Request Map-Server to send Map-Replies on behalf of site

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp hardware-forwarding

[no] { ip | ipv6 } lisp hardware-forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
hardware-forwarding	Enable/disable Nexus 7K hardware forwarding

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr-etr

[no] { ip | ipv6 } lisp itr-etr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr-etr	Configures both LISP ITR and ETR functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr

[no] { ip | ipv6 } lisp itr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr	Configures LISP Ingress Tunnel Router (ITR) parameters

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr map-resolver

```
{ [ no ] { ip | ipv6 } lisp itr map-resolver { <mr> | <mr6> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr	Configures LISP Ingress Tunnel Router (ITR) parameters
map-resolver	To interact with Map-Resolver
<i>mr</i>	Address of IPv4 map-server

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp itr send-data-probe

```
{ { [ no ] ip lisp itr send-data-probe } | { [ no ] ipv6 lisp itr send-data-probe } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
itr	Configures LISP Ingress Tunnel Router (ITR) parameters
send-data-probe	Send a Data-Probe instead of Map-Request on the LISP-ALT topology

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp locator-vrf

```
{ { [ no ] ip lisp locator-vrf { <vrf-name> | <vrf-known-name> } } | { [ no ] ipv6 lisp locator-vrf { <vrf-name> | <vrf-known-name> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
locator-vrf	Configure what VRF to use for locator command references
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-cache-limit

[no] { ip | ipv6 } lisp map-cache-limit <limit> [reserve-list <prefix-list>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-cache-limit	Configures maximum size of map-cache
<i>limit</i>	Maximum number of map-cache entries
reserve-list	(Optional) EID-prefixes guaranteed to be stored in map-cache
<i>prefix-list</i>	(Optional) Reference to prefix-list name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-cache drop native-forward map-request priority weight

```
{ { [ no ] ip lisp map-cache <eid-prefix> { drop | native-forward | map-request | { { <locator> | <locator6> }
priority <priority> weight <weight> [ down ] } } } | { [ no ] ipv6 lisp map-cache <eid-prefix6> { drop |
native-forward | map-request | { { <locator6> | <locator> } priority <priority> weight <weight> [ down ] } }
} }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-cache	Configures static EID-to-RLOC mappings for an ITR
<i>eid-prefix</i>	IP EID-prefix for RLOC static mapping
<i>locator</i>	IP address of loopback or other ETR loopback interface
priority	Configures which Locators from a set are preferred
<i>priority</i>	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
<i>weight</i>	Specified in a percentage from 0 to 100
down	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
drop	Drop packets that match this map-cache entry
native-forward	Natively forward packets that match his map-cache entry
map-request	Send Map-Request for LISP destination EID

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-request-source

{ [no] ip lisp map-request-source <source> } | { no ip lisp map-request-source } | { [no] ipv6 lisp map-request-source <source6> } | { no ipv6 lisp map-request-source }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-request-source	Configures source address for Map-Request message
<i>source</i>	Source address for IPv4 Map-Request message

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-resolver

```
{ [ no ] { ip | ipv6 } lisp map-resolver }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-resolver	Configures LISP Map Resolver functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp map-server

```
{ [ no ] { ip | ipv6 } lisp map-server }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
map-server	Configures LISP Map Server functionality

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp multicast

[no] ip lisp multicast

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
lisp	LISP global configuration commands
multicast	Configures LISP to carry multicast traffic, when ITR or ETR function is enabled

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp nat-traversal

[no] { ip | ipv6 } lisp nat-traversal

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP interface configuration commands
nat-traversal	Send Echo messages to Map-Server to get global locator

Command Mode

- /exec/configure/if-igp

ip lisp ntr

[no] ip lisp ntr <locator>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
lisp	LISP global configuration commands
ntr	Configures LISP NAT Tunnel Router (NTR)
<i>locator</i>	Local IP address in locator namespace

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp proxy-etr

{ { [no] ip lisp proxy-etr } | { [no] ipv6 lisp proxy-etr } }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
proxy-etr	Configures a Proxy ETR (PETR)
<i>lisp</i>	

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp proxy-itr

```
{ { [ no ] ip lisp proxy-itr { <local-rloc> | <local-rloc6> } + } | { [ no ] ipv6 lisp proxy-itr { <local-rloc> | <local-rloc6> } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
proxy-itr	Configures a Proxy ITR (PTR)
<i>local-rloc</i>	Local IP address in locator namespace
<i>lisp</i>	

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp shortest-eid-prefix-length

```
{ { [ no ] ip lisp shortest-eid-prefix-length <pl> } | { [ no ] ipv6 lisp shortest-eid-prefix-length <pl6> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
shortest-eid-prefix-length	Do not accept EID-prefixes shorter than configured value
<i>pl</i>	IPv4 EID-prefix length
<i>pl6</i>	IPv6 EID-prefix length

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp source-locator

```
{ [ no ] { ip | ipv6 } lisp source-locator <interface> [ secondary ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP interface configuration commands
source-locator	Select source locator when destination locator uses this interface
<i>interface</i>	Use primary address from interface as source locator
secondary	(Optional) Use secondary address on interface as source locator

Command Mode

- /exec/configure/if-igp

ip lisp translate inside outside

```
{ { [ no ] ip lisp translate inside <nrEID> outside <rEID> } | { [ no ] ipv6 lisp translate inside <nrEID6>
outside <rEID6> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
translate	Translate source address on ITR or destination address on ETR
inside	Site-based non-routable EID
<i>nrEID</i>	IPv4 inside address
outside	External-based routable EID
<i>rEID</i>	IPv4 outside address

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp use-bgp-locators

[no] { ip | ipv6 } lisp use-bgp-locators [route-map <rmap-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
use-bgp-locators	Use next-hops from BGP as locators for map-cache entries
route-map	(Optional) Route-map applied to on-demand routes.
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ip lisp use-petr priority weight

[no] { ip | ipv6 } lisp use-petr { <petr> | <petr6> } priority <priority> weight <weight>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
lisp	LISP global configuration commands
use-petr	Encapsulate to Proxy ETR for matching forward-native entry
<i>petr</i>	IPv4 locator address of PETR
priority	Configures which Locators from a set are preferred
<i>priority</i>	Lower priority Locator takes preference
weight	Traffic load-spreading among Locators
<i>weight</i>	Specified in a percentage from 0 to 100

Command Mode

- /exec/configure /exec/configure/vrf

ip load-sharing address

```
[no] ip load-sharing address { source-destination [ port source-destination2 [ symmetric | inner { all [ infra-mode ] | greheader [ symmetric ] } ] | gre | gre-outer | gtpu | ipv6-flowlabel | ttl | { [ udf offset <offset> length <length> ] } ] | destination port2 destination2 | source } [ exclude-l3-proto ] { [ rotate <rotate> ] | [ concatenation ] } + [ universal-id <random-seed> ] [ hardware { lb-keyshift <value1> | lb-2nd-hier-keyshift <value2> } + ] | no ip load-sharing address
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
load-sharing	ECMP load-sharing
address	Configure source/destination addresses, port numbers and hash
source-destination	Use both source and destination values for address
port	(Optional) Use source-destination value for port
gre	(Optional) Use source-destination value for gre-key
symmetric	(Optional) Use Symmetric load balance
inner	(Optional) Use inner header to load balance
all	(Optional) Use inner header for hashing for all the traffic
infra-mode	(Optional) Use inner header for hashing for all traffic,change mode to infra
greheader	(Optional) Use GRE header fields for hashing
gre-outer	(Optional) Use outer IPv4 header fields for GRE tunnel hashing
gtpu	(Optional) Use GTPU TEID value for port source-destination
ipv6-flowlabel	(Optional) Use IPV6 Flow Label value for port source-destination
ttl	(Optional) Use ttl value to be used in hash for source port
udf	(Optional) Use udf value to be used in hash for source port
offset	(Optional) Offset in bytes for UDF (from offset base - L3 header)
<i>offset</i>	(Optional) Enter Offset value in bytes for UDF (from offset base - L3 header)
length	(Optional) Length in bits from udf offset
<i>length</i>	(Optional) Enter Length in bits from udf offset
source-destination2	(Optional) Use both source and destination values for port

destination	Use destination address
port2	Use destination value for port
destination2	Use destination port
source	Use source address
exclude-l3-proto	(Optional) Ecmp Hashing without L3-proto
hardware	(Optional) Enter hardware key to change
lb-keyshift	(Optional) Enter the value for ECMP LB KEY SHIFT
<i>value1</i>	(Optional) Enter the value for lb-keyshift, default value is 7
lb-2nd-hier-keyshift	(Optional) Enter the value for ECMP 2ND HIER LB KEY SHIFT
<i>value2</i>	(Optional) Enter the value for lb-2nd-hier-keyshift, default value is 3
rotate	(Optional) Offset to be used in the hash
<i>rotate</i>	(Optional) Value used for offset, default value is 32
concatenation	(Optional) Enable/Disable concatenation
universal-id	(Optional) Universal-id to randomize hash functions for load-balance
<i>random-seed</i>	(Optional) Value used to randomize hash

Command Mode

- /exec/configure

ip local-proxy-arp

{ ip local-proxy-arp [no-hw-flooding] | no ip local-proxy-arp [no-hw-flooding] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
local-proxy-arp	Configure local proxy ARP
no-hw-flooding	(Optional) Configure local proxy ARP without hardware flooding

Command Mode

- /exec/configure/if-igp /exec/configure/if-vlan-common

ip local policy route-map

ip local policy route-map <route-map-name> | no ip local policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
local	Configure local PBR feature
policy	Configure PBR feature
route-map	Route-map for PBR
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-name</i>	(Optional) Known route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ip mfw mstatic register

[no] ip mfw mstatic register

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
mfw	Configures Global IP Multicast Forwarding
mstatic	Static Multicast Route
register	Register

Command Mode

- /exec/configure

ip mroute

```
[no] ip mroute { <ip-addr> <ip-mask> | <ip-prefix> } { { <next-hop> | <nh-prefix> } | <interface> } [ <pref> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
mroute	Configure multicast RPF static route
<i>ip-addr</i>	IP prefix in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
<i>next-hop</i>	IP next-hop address in format i.i.i.i
<i>nh-prefix</i>	IP next-hop prefix in format i.i.i.i/m
<i>interface</i>	Interface for interface static multicast routes
<i>pref</i>	(Optional) Route preference
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp description

ip msdp description <peer-address> <text> | no ip msdp description <peer-address> [<text>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
description	Configure MSDP description for peer
<i>peer-address</i>	IP address of MSDP peer
<i>text</i>	Text description

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp flush-routes

[no] ip msdp flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
flush-routes	Remove routes when restarting MSDP

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp group-limit source

[no] ip msdp group-limit <limit> source <sprefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
group-limit	Limit the number of groups per source
<i>limit</i>	Limit on number of groups
source	Sources to limit groups to
<i>sprefix</i>	Prefix to match sources against

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp keepalive

ip msdp keepalive <peer-address> <interval> <timeout> | no ip msdp keepalive <peer-address> [<interval> <timeout>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
keepalive	Configure MSDP keepalive parameters for peer
<i>peer-address</i>	IP address of MSDP peer
<i>interval</i>	Keepalive interval in seconds
<i>timeout</i>	Keepalive timeout in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp keychain

ip msdp keychain <peer-address> <name> | no ip msdp keychain <peer-address> [<name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
keychain	Configure MD5 authentication keychain
<i>peer-address</i>	IP address of MSDP peer
<i>name</i>	Keychain name

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp mesh-group

ip msdp mesh-group <peer-address> <name> | no ip msdp mesh-group <peer-address> [<name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
mesh-group	Configure member of mesh-group
<i>name</i>	Name of mesh-group
<i>peer-address</i>	IP address of MSDP peer in mesh-group

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp originator-id

ip msdp originator-id <interface> | no ip msdp originator-id [<interface>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
originator-id	Configure alternative router-id for MSDP
<i>interface</i>	Use IP address of interface for originator-id

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp password

ip msdp password <peer-address> <password> | no ip msdp password <peer-address> [<password>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
password	Configure MD5 authentication password
<i>peer-address</i>	IP address of MSDP peer
<i>password</i>	MD5 password

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp peer connect-source

```
{ { ip msdp peer <peer-address> connect-source <interface> [ remote-as <asn> ] } | { no ip msdp peer
<peer-address> [ connect-source <interface> ] [ remote-as <asn> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
peer	Configure MSDP peer
<i>peer-address</i>	IP address of MSDP peer
connect-source	Configure local IP address for TCP connection
<i>interface</i>	Use IP address of interface for peer address
remote-as	(Optional) Configure remote Autonomous System Number
<i>asn</i>	(Optional) AS number

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp reconnect-interval

ip msdp reconnect-interval <interval> | no ip msdp reconnect-interval [<interval>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
reconnect-interval	Configure connection reconnect interval
<i>interval</i>	Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp redistribute

[no] ip msdp redistribute [route-map <route-map-name> | prefix-list <prefix-list-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
redistribute	Configure SA policy for all MSDP peer
route-map	(Optional) route-map policy
<i>route-map-name</i>	(Optional) Route-map name
prefix-list	(Optional) Prefix list policy
<i>prefix-list-name</i>	(Optional) Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-interval

ip msdp sa-interval <interval> | no ip msdp sa-interval [<interval>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-interval	Configure Source-Active message transmission interval
<i>interval</i>	Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-limit

ip msdp sa-limit <peer-address> <limit> | no ip msdp sa-limit <peer-address> [<limit>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-limit	Configure maximum (S,G) entries allowed
<i>limit</i>	Number of (S,G) entries
<i>peer-address</i>	IP address of MSDP peer in mesh-group

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-policy in

```
[no] ip msdp sa-policy <peer-address> { <route-map-name> | prefix-list <prefix-list-name> | <rtr_pol_name>
} in
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-policy	Configure SA policy for MSDP peer
prefix-list	Prefix list policy
in	Input policy
<i>peer-address</i>	IP address of MSDP peer for SA policy
<i>route-map-name</i>	Route-map name
<i>prefix-list-name</i>	Name of prefix-list
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp sa-policy out

```
[no] ip msdp sa-policy <peer-address> { <route-map-name> | prefix-list <prefix-list-name> | <rtr_pol_name>
} out
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
sa-policy	Configure SA policy for MSDP peer
prefix-list	Prefix list policy
out	Output policy
<i>peer-address</i>	IP address of MSDP peer for SA policy
<i>route-map-name</i>	Route-map name
<i>prefix-list-name</i>	Name of prefix-list
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip msdp shutdown

ip msdp shutdown <peer-address> | no ip msdp shutdown <peer-address>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
msdp	MSDP global configuration commands
shutdown	Administratively shut down peer
<i>peer-address</i>	IP address of MSDP peer

Command Mode

- /exec/configure /exec/configure/vrf

ip mtu eigrp

```
{ { { ip | ipv6 } mtu eigrp <eigrp-ptag> <mtu> } | { no { ip | ipv6 } mtu eigrp <eigrp-ptag> [ <mtu> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
mtu	Set Max Packet Size to be used by EIGRP
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>mtu</i>	Interface MTU
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igp

ip multicast group-range prefix-list

```
{ ip multicast group-range prefix-list <prefix-list-name> } | { no ip multicast group-range prefix-list [ <prefix-list-name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
multicast	Display multicast information
group-range	Display group-range prefix
prefix-list	Group range prefix-list policy for multicast boundary
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip multicast multipath

[no] ip multicast multipath { none | legacy | s-g-hash [next-hop-based] | nbm }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
legacy	Configure hash based on source and group
none	Disable ECMP multicast load splitting
s-g-hash	Configure hash based on source and group address
next-hop-based	(Optional) Configure hash based on source, group, next-hop address
nbm	Configure NBM controlled RPF interface

Command Mode

- /exec/configure /exec/configure/vrf

ip multicast multipath resilient

[no] ip multicast multipath resilient

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
resilient	Configure resilient RPF interface

Command Mode

- /exec/configure /exec/configure/vrf

ip multicast overlay-distributed-dr

[no] ip multicast overlay-distributed-dr

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure multicast
overlay-distributed-dr	Configure node as Distributed-DR

Command Mode

- /exec/configure

ip multicast overlay-spt-only

[no] ip multicast overlay-spt-only

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
multicast	Configure multicast
overlay-spt-only	Enable L3-Overlay spt(shortest-path-tree) only

Command Mode

- /exec/configure

ip multicast rpf select vrf group-list

```
{ { ip multicast rpf select { vrf { <vrf-name> | <vrf-known-name> } group-list <prefix> } } | { no ip multicast rpf select { vrf { <vrf-name> | <vrf-known-name> } group-list <prefix> } } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
multicast	Configure IP multicast global parameters
rpf	Configure RPF check
select	Configure VRF for RPF check
vrf	VRF for RPF lookup
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
group-list	Group range for RPF select
<i>prefix</i>	Group range prefix

Command Mode

- /exec/configure /exec/configure/vrf

ip name-server

```
[no] ip name-server { { <ipv4_0> | <ipv6_1> } [ { <ipv4_2> | <ipv6_3> } [ { <ipv4_4> | <ipv6_5> } [ { <ipv4_6> | <ipv6_7> } [ { <ipv4_8> | <ipv6_9> } [ { <ipv4_10> | <ipv6_11> } ] ] ] ] ] | { <ipv4_12> | <ipv6_13> } [ source-interface <ifnum> | use-vrf { <vrf-name> | <vrf-known-name> } ] + | { <ipv4_14> | <ipv6_15> } [ { <ipv4_16> | <ipv6_17> } [ source-interface <ifnum> | use-vrf { <vrf-name> | <vrf-known-name> } ] + ] | { <ipv4_18> | <ipv6_19> } [ { <ipv4_20> | <ipv6_21> } [ { <ipv4_22> | <ipv6_23> } [ source-interface <ifnum> | use-vrf { <vrf-name> | <vrf-known-name> } ] + ] ] | { <ipv4_24> | <ipv6_25> } [ { <ipv4_26> | <ipv6_27> } [ { <ipv4_28> | <ipv6_29> } [ { <ipv4_30> | <ipv6_31> } [ source-interface <ifnum> | use-vrf { <vrf-name> | <vrf-known-name> } ] + ] ] ] | { <ipv4_32> | <ipv6_33> } [ { <ipv4_34> | <ipv6_35> } [ { <ipv4_36> | <ipv6_37> } [ { <ipv4_38> | <ipv6_39> } [ { <ipv4_40> | <ipv6_41> } [ source-interface <ifnum> | use-vrf { <vrf-name> | <vrf-known-name> } ] + ] ] ] ] | { <ipv4_42> | <ipv6_43> } [ { <ipv4_44> | <ipv6_45> } [ { <ipv4_46> | <ipv6_47> } [ { <ipv4_48> | <ipv6_49> } [ { <ipv4_50> | <ipv6_51> } [ { <ipv4_52> | <ipv6_53> } [ source-interface <ifnum> | use-vrf { <vrf-name> | <vrf-known-name> } ] + ] ] ] ] ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
name-server	Specify nameserver address
<i>ipv4_0</i>	Enter an IPv4 address
<i>ipv4_2</i>	(Optional) Enter an IPv4 address
<i>ipv4_4</i>	(Optional) Enter an IPv4 address
<i>ipv4_6</i>	(Optional) Enter an IPv4 address
<i>ipv4_8</i>	(Optional) Enter an IPv4 address
<i>ipv4_10</i>	(Optional) Enter an IPv4 address
<i>ipv4_12</i>	Enter an IPv4 address
source-interface	(Optional) Configure source interface
<i>ifnum</i>	(Optional) Source interface
use-vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ipv4_14</i>	Enter an IPv4 address
<i>ipv4_16</i>	(Optional) Enter an IPv4 address
<i>ipv4_18</i>	Enter an IPv4 address

<i>ipv4_20</i>	(Optional) Enter an IPv4 address
<i>ipv4_22</i>	(Optional) Enter an IPv4 address
<i>ipv4_24</i>	Enter an IPv4 address
<i>ipv4_26</i>	(Optional) Enter an IPv4 address
<i>ipv4_28</i>	(Optional) Enter an IPv4 address
<i>ipv4_30</i>	(Optional) Enter an IPv4 address
<i>ipv4_32</i>	Enter an IPv4 address
<i>ipv4_34</i>	(Optional) Enter an IPv4 address
<i>ipv4_36</i>	(Optional) Enter an IPv4 address
<i>ipv4_38</i>	(Optional) Enter an IPv4 address
<i>ipv4_40</i>	(Optional) Enter an IPv4 address
<i>ipv4_42</i>	Enter an IPv4 address
<i>ipv4_44</i>	(Optional) Enter an IPv4 address
<i>ipv4_46</i>	(Optional) Enter an IPv4 address
<i>ipv4_48</i>	(Optional) Enter an IPv4 address
<i>ipv4_50</i>	(Optional) Enter an IPv4 address
<i>ipv4_52</i>	(Optional) Enter an IPv4 address

Command Mode

- /exec/configure /exec/configure/vrf

ip nat inside

[no] ip nat { inside | outside }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT interface commands
inside	Inside interface for address translation
outside	Outside interface for address translation

Command Mode

- /exec/configure/if-vni/ /exec/configure/if-port-channel /exec/configure/if-vlan
/exec/configure/if-remote-ethernet /exec/configure/if-igp /exec/configure/if-routing

ip nat inside source

```
[no] ip nat inside source { { static <insideLocalIP> <insideGlobalIP> [ vrf <vrf-name> [ match-in-vrf ] ] [
group <group-id> [ dynamic ] ] [ no-alias ] [ add-route ] } | { static { tcp | udp } <insideLocalIP>
<insideLocalPort> <insideGlobalIP> <insideGlobalPort> [ vrf <vrf-name> [ match-in-vrf ] ] [ group <group-id>
[ dynamic ] ] [ no-alias ] [ add-route ] } | { list <acl-name> } { pool <pool-name> [ vrf <vrf-name> [
match-in-vrf ] ] [ overload ] | interface <globalAddrInterface> [ vrf <vrf-name> [ match-in-vrf ] ] overload }
[ group <group-id> dynamic ] [ add-route ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
inside	Inside address translation
source	Source address translation
static	Specify static local->global mapping
tcp	Transmission Control Protocol
udp	User Datagram Protocol
list	Specify access list describing local addresses
pool	Name pool of global addresses
interface	Specify interface for global address
vrf	(Optional) Specify vrf
match-in-vrf	(Optional) Match incoming vrf
no-alias	(Optional) Do not create alias for this NAT-address
dynamic	(Optional) Dynamic twice NAT group
<i>insideLocalIP</i>	Inside local IP address
<i>insideLocalPort</i>	Local UDP/TCP port
<i>insideGlobalIP</i>	Inside global IP address
<i>insideGlobalPort</i>	Global UDP/TCP port
group	(Optional) Specify group for the twice NAT
<i>group-id</i>	(Optional) Group ID for the twice NAT
<i>acl-name</i>	Access-list-name

<i>pool-name</i>	Pool name for global addresses
add-route	(Optional) Add a static route for outside local address
<i>vrf-name</i>	(Optional) vrf name
<i>globalAddrInterface</i>	interface type and number in module/slot format
overload	(Optional) Overload an address translation

Command Mode

- /exec/configure

ip nat outside source

```
[no] ip nat outside source { static <outsideGlobalIP> <outsideLocalIP> [ vrf <vrf-name> [ match-in-vrf ] ] [
group <group-id> [ dynamic ] ] [ no-alias ] [ add-route ] | static { tcp | udp } <outsideGlobalIP>
<outsideGlobalPort> <outsideLocalIP> <outsideLocalPort> [ vrf <vrf-name> [ match-in-vrf ] ] [ group
<group-id> [ dynamic ] ] [ no-alias ] [ add-route ] | list <acl-name> pool <pool-name> [ vrf <vrf-name> [
match-in-vrf ] ] [ group <group-id> dynamic ] } [ add-route ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
outside	Outside address translation
source	Source address translation
static	Specify static global->local mapping
tcp	Transmission Control Protocol
udp	User Datagram Protocol
list	Specify access list describing local addresses
pool	Name pool of global addresses
vrf	(Optional) Specify vrf
match-in-vrf	(Optional) Match incoming vrf
no-alias	(Optional) Do not create alias for this NAT-address
<i>outsideGlobalIP</i>	Outside global IP address
<i>outsideGlobalPort</i>	Outside Global UDP/TCP port
<i>outsideLocalIP</i>	Outside local IP address
<i>outsideLocalPort</i>	Outside Local UDP/TCP port
group	(Optional) Specify group for the twice NAT
dynamic	(Optional) Dynamic twice NAT group
<i>group-id</i>	(Optional) Group ID for the twice NAT
<i>acl-name</i>	Access-list-name
<i>vrf-name</i>	(Optional) vrf name
<i>pool-name</i>	Pool name for global addresses

add-route	(Optional) Add a static route for outside local address
-----------	---

Command Mode

- /exec/configure

ip nat pool netmask

```
ip nat pool <pool-name> { netmask <netmask> | prefix-length <prefix-length> } [ no-alias ]
```

Syntax Description

ip	Configure IP features
nat	NAT configuration commands
pool	Define pool of addresses
netmask	Specify the network mask
prefix-length	Specify the prefix length
no-alias	(Optional) Do not create alias for these pool addresses
<i>pool-name</i>	Pool name
<i>netmask</i>	Network mask
<i>prefix-length</i>	Prefix length

Command Mode

- /exec/configure

ip nat pool netmask

```
ip nat pool <pool-name> <start-ip> <end-ip> { netmask <netmask> | prefix-length <prefix-length> } [ no-alias ] | no ip nat pool <pool-name> [ <start-ip> <end-ip> { netmask <netmask> | prefix-length <prefix-length> } ]
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
pool	Define pool of addresses
netmask	Specify the network mask
prefix-length	Specify the prefix length
no-alias	(Optional) Do not create alias for these pool addresses
<i>pool-name</i>	Pool name
<i>start-ip</i>	Start IP address
<i>end-ip</i>	End IP address
<i>netmask</i>	Network mask
<i>prefix-length</i>	Prefix length

Command Mode

- /exec/configure

ip nat translation

```
ip nat translation { { { tcp-timeout | udp-timeout | icmp-timeout | timeout } <timeout> } | { finrst-timeout {
<fin_timeout> | never } | syn-timeout { <syn_timeout> | never } | timeout <timeout> } } | no ip nat translation
{ { { tcp-timeout | udp-timeout | icmp-timeout | timeout } <timeout> } | { finrst-timeout { <fin_timeout> |
never } | syn-timeout { <syn_timeout> | never } | timeout } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
tcp-timeout	Specify timeout for NAT TCP flows
udp-timeout	Specify timeout for NAT UDP flows
icmp-timeout	Specify timeout for NAT ICMP flows
finrst-timeout	Specify timeout for NAT TCP flows after a FIN or RST
syn-timeout	Specify timeout for NAT TCP flows after a SYN and no further data
timeout	Specify timeout for dynamic NAT flows
never	Never timeout
<i>timeout</i>	Timeout in seconds
<i>fin_timeout</i>	Timeout in seconds
<i>syn_timeout</i>	Timeout in seconds

Command Mode

- /exec/configure

ip nat translation creation-delay

{ ip nat translation creation-delay <batch-timeout> } | { no ip nat translation creation-delay }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
creation-delay	Translation entries creation delay due to batching before program to team
<i>batch-timeout</i>	0/250/500/750/1000

Command Mode

- /exec/configure

ip nat translation max-entries

ip nat translation max-entries [all-host] <max> | no ip nat translation max-entries [all-host]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
max-entries	Specify maximum number of NAT dynamic entries
all-host	(Optional) Specify maximum number of NAT entries for each host
<i>max</i>	Number of entries

Command Mode

- /exec/configure

ip nat translation sampling-timeout

[no] ip nat translation sampling-timeout <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
nat	NAT configuration commands
translation	NAT translation entry configuration
sampling-timeout	Specify timeout after which the checking for activity is done
<i>timeout</i>	Timeout in seconds (max: 2days, recommended 900s)

Command Mode

- /exec/configure

ip next-hop-self eigrp

[no] { ip | ipv6 } next-hop-self eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
next-hop-self	Configures IP-EIGRP next-hop-self
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ip offset-list eigrp

```
[no] { ip | ipv6 } offset-list eigrp <eigrp-ptag> { { route-map <map> } | { prefix-list <list> } } { in | out } <offset>
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
offset-list	Add or subtract offset from EIGRP metrics
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
route-map	Use a route-map for offset-list selection
<i>map</i>	Route-map name
prefix-list	Use a prefix-list for offset-list selection
<i>list</i>	Reference to prefix-list name
in	Perform offset on incoming updates
out	Perform offset on outgoing updates
<i>offset</i>	Offset

Command Mode

- /exec/configure/if-igp

ip ospf advertise-subnet

[no] ip ospf advertise-subnet

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
advertise-subnet	Advertise loopback interface IP subnet in router LSA

Command Mode

- /exec/configure/if-loopback

ip ospf authentication-key

```
{ { ip ospf authentication-key <key> } | { no ip ospf authentication-key [ <key> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
authentication-key	Configure the authentication key for the interface
<i>key</i>	Authentication key

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf authentication

[no] ip ospf authentication [message-digest | null]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
authentication	Authentication on the interface
message-digest	(Optional) Use message-digest authentication
null	(Optional) Use null(disable) authentication

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel
/exec/configure/if-mgmt-config

ip ospf authentication key-chain

```
{ ip ospf authentication key-chain <keychain> } | { no ip ospf authentication key-chain [ <keychain> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
authentication	Authentication on the interface
key-chain	Authentication password key-chain
<i>keychain</i>	Key-chain name

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf bfd

[no] ip ospf bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
bfd	Enable BFD on this interface
disable	(Optional) Disable BFD on this interface

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

ip ospf cost

```
{ ip ospf cost <cost> } | { no ip ospf cost [ <cost> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
cost	Cost associated with interface
<i>cost</i>	Cost value

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf dead-interval

```
{ ip ospf dead-interval <interval> } | { no ip ospf dead-interval [ <interval> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
dead-interval	Dead interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf hello-interval

{ ip ospf hello-interval <interval> } | { no ip ospf hello-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
hello-interval	Hello interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf message-digest-key md5

```
{ { ip ospf message-digest-key <keyid> md5 <key> } | { no ip ospf message-digest-key <keyid> [ md5 <key> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
message-digest-key	Message digest authentication password (key)
<i>keyid</i>	Key ID
md5	Use MD5 algorithm
<i>key</i>	The OSPF password (key)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf mtu-ignore

[no] ip ospf mtu-ignore

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
mtu-ignore	Disable OSPF MTU mismatch detection

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf network broadcast

```
{ ip ospf network { broadcast | point-to-point } } | { no ip ospf network [ { broadcast | point-to-point } ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
network	Network type
broadcast	Specify OSPF broadcast multi-access network
point-to-point	Specify OSPF point-to-point network

Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

ip ospf network point-to-point

{ ip ospf network point-to-point } | { no ip ospf network [point-to-point] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
network	Network type
point-to-point	Specify OSPF point-to-point network

Command Mode

- /exec/configure/if-loopback

ip ospf passive-interface

[default | no] ip ospf passive-interface

Syntax Description

default	(Optional) Undo a command
no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
passive-interface	Suppress routing updates on the interface

Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

ip ospf prefix-attributes n-flag-clear

[no] ip ospf prefix-attributes n-flag-clear

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
prefix-attributes	Prefix attributes
n-flag-clear	Clear N-Flag for the interface prefixes

Command Mode

- /exec/configure/if-loopback

ip ospf priority

{ ip ospf priority <prio> } | { no ip ospf priority [<prio>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
priority	Router priority
<i>prio</i>	Router priority

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf retransmit-interval

{ ip ospf retransmit-interval <interval> } | { no ip ospf retransmit-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip ospf shutdown

[no] ip ospf shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
shutdown	shutdown ospf on this interface

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

ip ospf transmit-delay

{ ip ospf transmit-delay <delay> } | { no ip ospf transmit-delay [<delay>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ospf	OSPF configuration commands
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip passive-interface eigrp

[default | no] { ip | ipv6 } passive-interface eigrp <eigrp-ptag>

Syntax Description

default	(Optional) Undo a command
no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
passive-interface	Suppress routing updates on an interface
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ip pim allow-rp

```
{ ip pim allow-rp { <route-map-name> } | no ip pim allow-rp [ <route-map-name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
allow-rp	Sparse-Mode RP addresses to be allowed
<i>route-map-name</i>	Route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ip pim anycast-rp

[no] ip pim anycast-rp <anycast-rp> <rp-addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
anycast-rp	Configure an RP in an Anycast-RP set (using PIM)
<i>anycast-rp</i>	Address for the Anycast-RP address
<i>rp-addr</i>	Address of RP in the Anycast-RP set

Command Mode

- /exec/configure /exec/configure/vrf

ip pim assert-rate-limit

```
{ { ip pim assert-rate-limit <rate> } | { no ip pim assert-rate-limit [ <rate> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
assert-rate-limit	Rate limit for PIM Asserts
<i>rate</i>	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-enable

{ { no ip pim auto-enable } | { ip pim auto-enable } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-enable	Auto-enable configure on the vrf

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp listen

{ ip pim auto-rp { listen | forward } + } | { no ip pim auto-rp [{ listen | forward } +] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
listen	Listen to Auto-RP messages
forward	Forward Auto-RP messages

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp mapping-agent-policy

```
{ ip pim auto-rp mapping-agent-policy { <route-map-name> | <rtr_pol_name> } | no ip pim auto-rp
mapping-agent-policy [ <route-map-name> | <rtr_pol_name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
mapping-agent-policy	Specify policy for filtering Mapping Agent messages
<i>route-map-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp mapping-agent send-rp-discovery

```
{ { ip pim { { auto-rp mapping-agent } | send-rp-discovery } <interface> [ scope <ttl> ] } | { no ip pim { { auto-rp mapping-agent } | send-rp-discovery } [ <interface> ] [ scope <ttl> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
send-rp-discovery	Configures router to send Auto-RP Discovery messages
mapping-agent	Configures router as an Auto-RP RP-mapping agent
<i>interface</i>	Use IP address of interface for Auto-RP Announce messages
scope	(Optional) Configure the scope of Auto-RP Discovery messages
<i>ttl</i>	(Optional) TTL value for scope

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp rp-candidate-policy

```
{ ip pim auto-rp rp-candidate-policy { <route-map-name> | <rtr_pol_name> } | no ip pim auto-rp
rp-candidate-policy [ <route-map-name> | <rtr_pol_name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
rp-candidate-policy	Specify policy for filtering RP candidate messages
<i>route-map-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim auto-rp rp-candidate send-rp-announce group-list route-map prefix-list

```
{ { ip pim { auto-rp rp-candidate | send-rp-announce } { <interface> | <ipaddr> } { group-list <prefix> |
route-map <route-map-name> | prefix-list <prefix-list-name> } { [ scope <ttl> ] | [ interval <interval> ] | [
bidir ] } + } | { no ip pim { { auto-rp rp-candidate } | send-rp-announce } [ <interface> | <ipaddr> ] [ group-list
<prefix> | route-map <route-map-name> | prefix-list <prefix-list-name> ] { [ scope <ttl> ] | [ interval <interval>
] | [ bidir ] } + } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
auto-rp	Auto-RP protocol RP-distribution configuration
send-rp-announce	Configures router to send Auto-RP Announce messages
rp-candidate	Configures router to be an Auto-RP candidate RP
<i>interface</i>	Use IP address of interface for Auto-RP Announce messages
<i>ipaddr</i>	IP address of RP for group
group-list	Group range list
<i>prefix</i>	Prefix of group range
route-map	Group range policy for Auto-RP Candidate RP
<i>route-map-name</i>	Route-map name
prefix-list	Prefix List policy for Auto-RP Candidate RP
<i>prefix-list-name</i>	Name of prefix-list
scope	(Optional) Configure the scope of Auto-RP Announce messages
<i>ttl</i>	(Optional) TTL value for scope
interval	(Optional) Auto-RP Announce message transmission interval
<i>interval</i>	(Optional) Interval in seconds
bidir	(Optional) Group range advertised in PIM bidirectional mode

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bfd-instance

[no] ip pim bfd-instance [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
bfd-instance	Configures BFD on interface
disable	(Optional) Disable BFD on interface

Command Mode

- /exec/configure/if-igp

ip pim bfd

[no] ip pim bfd

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bfd	Enable / Disable BFD for all PIM interfaces in the VRF

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bidir-rp-limit

[no] ip pim bidir-rp-limit <limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bidir-rp-limit	Configures maximum Bidir RPs for IPv4 PIM in this VRF
<i>limit</i>	Set limit for Bidir RPs permitted in IPv4 PIM

Command Mode

- /exec/configure /exec/configure/vrf

ip pim border-router

[no] ip pim border-router

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
border-router	Configures the interface to be a boundary of a PIM-SM domain

Command Mode

- /exec/configure/if-igp

ip pim border

[no] ip pim border

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
border	Configures interface to be a boundary of a PIM domain

Command Mode

- /exec/configure/if-igp

ip pim bsr-candidate

```
{ { ip pim [ bsr ] bsr-candidate <interface> [ hash-len <hash-len> ] [ priority <priority> ] [ interval <interval> ] } | { no ip pim [ bsr ] bsr-candidate [ <interface> ] [ hash-len <hash-len> ] [ priority <priority> ] [ interval <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	(Optional) Bootstrap protocol RP-distribution configuration
bsr-candidate	Configure router as a Bootstrap Router candidate
<i>interface</i>	Use IP address of interface for Bootstrap messages
hash-len	(Optional) Hash mask length used in Bootstrap messages
<i>hash-len</i>	(Optional) Hash mask length value
priority	(Optional) BSR priority used in Bootstrap messages
<i>priority</i>	(Optional) BSR priority value
interval	(Optional) Bootstrap message transmission interval
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bsr bsr-policy

```
{ ip pim bsr bsr-policy { <route-map-name> | <rtr_pol_name> } | no ip pim bsr bsr-policy [ <route-map-name> | <rtr_pol_name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	Bootstrap protocol RP-distribution configuration
bsr-policy	Specify policy for filtering BSR messages
<i>route-map-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bsr listen

{ ip pim bsr { listen | forward } + } | { no ip pim bsr [{ listen | forward } +] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	Bootstrap protocol RP-distribution configuration
listen	Listen to Bootstrap/Candidate-RP messages
forward	Forward Bootstrap/Candidate-RP messages

Command Mode

- /exec/configure /exec/configure/vrf

ip pim bsr rp-candidate-policy

```
{ ip pim bsr rp-candidate-policy { <route-map-name> | <rtr_pol_name> } | no ip pim bsr rp-candidate-policy
[ <route-map-name> | <rtr_pol_name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	Bootstrap protocol RP-distribution configuration
rp-candidate-policy	Specify policy for filtering RP candidate messages
<i>route-map-name</i>	Route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure /exec/configure/vrf

ip pim dr-delay

```
{ { ip pim dr-delay <delay> } | { no ip pim dr-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
dr-delay	Configures delay for PIM DR election on interface
<i>delay</i>	Delay value

Command Mode

- /exec/configure/if-igp

ip pim dr-priority

```
{ { ip pim dr-priority <priority> } | { no ip pim dr-priority [ <priority> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
dr-priority	Configures priority for PIM DR election on interface
<i>priority</i>	Priority value

Command Mode

- /exec/configure/if-igp

ip pim evpn-border-leaf

[no] ip pim evpn-border-leaf

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
evpn-border-leaf	Configure this node as a border leaf

Command Mode

- /exec/configure

ip pim extranet

[no] ip pim extranet

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
extranet	Support for Extranet RPF lookup

Command Mode

- /exec/configure

ip pim flush-routes

[no] ip pim flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
flush-routes	Remove routes when restarting PIM

Command Mode

- /exec/configure /exec/configure/vrf

ip pim group-list

```
[no] ip pim { use-shared-tree-only | spt-threshold infinity } group-list { <route-map-name> | prefix-list
<prefix-list-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
use-shared-tree-only	Use (*,G) only state, no source state is created
spt-threshold	Source-tree switching threshold
infinity	Never switch to source-tree
group-list	Specify group ranges through policy
<i>route-map-name</i>	Route-map name
prefix-list	Prefix List policy
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim hello-authentication ah-md5

```
{ ip pim hello-authentication ah-md5 <auth-key> | no ip pim hello-authentication ah-md5 [ <auth-key> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
hello-authentication	Add AH header option to Hellos
ah-md5	Use MD5 HMAC
<i>auth-key</i>	MD5 authentication key

Command Mode

- /exec/configure/if-igp

ip pim hello-authentication keychain

{ ip pim hello-authentication keychain <name> | no ip pim hello-authentication keychain [<name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
hello-authentication	Add AH header option to Hellos
keychain	Use keychain
<i>name</i>	Keychain name

Command Mode

- /exec/configure/if-igp

ip pim hello-interval

```
{ { ip pim hello-interval <interval> } | { no ip pim hello-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
hello-interval	Configures the Hello interval for interface
<i>interval</i>	Interval in milliseconds

Command Mode

- /exec/configure/if-igp

ip pim isolate

[no] ip pim isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
isolate	Isolate this router from PIM perspective

Command Mode

- /exec/configure

ip pim jp-policy

```
{ ip pim jp-policy { <route-map-name> | prefix-list <prefix-list-name> } [ in | out ] | no ip pim jp-policy {
<route-map-name> | prefix-list <prefix-list-name> } [ in | out ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
jp-policy	Specify policy for receiving Join-Prune messages
<i>route-map-name</i>	Route-map name
prefix-list	Prefix List policy for static RP
<i>prefix-list-name</i>	Name of prefix-list
in	(Optional) Inbound
out	(Optional) Outbound

Command Mode

- /exec/configure/if-igp

ip pim log-neighbor-changes

[no] ip pim log-neighbor-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
log-neighbor-changes	Log up/down PIM neighbor transitions

Command Mode

- /exec/configure /exec/configure/vrf

ip pim mtu

[no] ip pim mtu <size>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
mtu	MTU for IP PIM packet
<i>size</i>	MTU

Command Mode

- /exec/configure

ip pim neighbor-policy prefix-list

```
{ { ip pim neighbor-policy { <route-map-name> | prefix-list <prefix-list-name> } } | { no ip pim neighbor-policy
[ <route-map-name> | prefix-list <prefix-list-name> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
neighbor-policy	Configures a neighbor policy for filtering adjacencies
<i>route-map-name</i>	Route-map name
prefix-list	Prefix List policy for neighbor
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure/if-igp

ip pim passive

{ ip pim passive | no ip pim passive }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
passive	Interface in passive mode. No send/rcv

Command Mode

- /exec/configure/if-igp

ip pim pfm-sd announcement gap

```
{ { ip pim pfm-sd announcement gap { <interval> } } | { no ip pim pfm-sd announcement gap [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
announcement	Pfm-sd message announcement
gap	Minimum gap between each PFM-SD message
<i>interval</i>	gap interval in milliseconds

Command Mode

- /exec/configure /exec/configure/vrf

ip pim pfm-sd announcement interval

```
{ { ip pim pfm-sd announcement interval { <interval> } } | { no ip pim pfm-sd announcement interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
announcement	Pfm-sd message announcement
interval	Announcement period for Group Source Holdtime TLV
<i>interval</i>	interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip pim pfm-sd announcement rate

```
{ { ip pim pfm-sd announcement rate { <rate> } } | { no ip pim pfm-sd announcement rate [ <rate> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
announcement	Pfm-sd message announcement
rate	Maximum number of PFM-SD messages a router originated per minute
<i>rate</i>	rate

Command Mode

- /exec/configure /exec/configure/vrf

ip pim pfm-sd boundary

```
{ { ip pim pfm-sd { boundary <direction> } } | { no ip pim pfm-sd { boundary [ <direction> ] } } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
boundary	pfm-sd boundary to restrict pfm-sd messages
<i>direction</i>	pfm-sd boundary direction

Command Mode

- /exec/configure/if-igp

ip pim pfm-sd gsh holdtime

```
{ { ip pim pfm-sd gsh holdtime { <holdtime> } } | { no ip pim pfm-sd gsh holdtime [ <holdtime> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
gsh	Group source holdtime TLV
holdtime	Holdtime for Group Source Holdtime TLV
<i>holdtime</i>	holdtime in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip pim pfm-sd originator-id

```
{ { ip pim pfm-sd originator-id { <interface> } } | { no ip pim pfm-sd originator-id [ <interface> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
originator-id	Configure source address for pfm-sd messages
<i>interface</i>	Loopback interface

Command Mode

- /exec/configure /exec/configure/vrf

ip pim pfm-sd range

```
{ ip pim pfm-sd range { <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name> } | no ip pim
pfm-sd range [ <prefix> | route-map <route-map-name> | prefix-list <prefix-list-name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pfm-sd	PIM Flooding Mechanism and Source Discovery
range	Configure group ranges for pfm-sd
<i>prefix</i>	List of group range prefixes
route-map	Group range route-map policy for pfm-sd
<i>route-map-name</i>	Route-map name
prefix-list	Group range prefix-list policy for pfm-sd
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim pre-build-spt

```
{ { { ip pim pre-build-spt [ force ] } [ route-map <route-map-name> | prefix-list <prefix-list-name> ] } | { no ip pim pre-build-spt } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
pre-build-spt	Pre construct PIM trees for all known (S,G)s
force	(Optional) Enable pre-build-spt irrespective of (*,G) state
route-map	(Optional) Route Map policy for pre-build-spt
<i>route-map-name</i>	(Optional) Route-map name
prefix-list	(Optional) Prefix List policy for pre-build-spt
<i>prefix-list-name</i>	(Optional) Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-packing

[no] ip pim register-packing [mtu <mtu-size>] [reg-probe-timer <interval>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-packing	Enable RFC9465 (Null-Register packing)
mtu	(Optional) Specify size of packed registers (default is 576)
<i>mtu-size</i>	(Optional) bytes including IP header
reg-probe-timer	(Optional) Specify Register-Probe Timer interval
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-policy

{ ip pim register-policy { <route-map-name> | prefix-list <prefix-list-name> } | no ip pim register-policy [<route-map-name> | prefix-list <prefix-list-name>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-policy	Specify policy for receiving Register messages
<i>route-map-name</i>	Route-map name
prefix-list	Prefix List policy for Registers
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-rate-limit

```
{ { ip pim register-rate-limit <rate> } | { no ip pim register-rate-limit [ <rate> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-rate-limit	Rate limit for PIM data registers
<i>rate</i>	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-source

```
{ { ip pim register-source { <src-interface> } } | { no ip pim register-source [ <src-interface> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-source	Configure source address for Register messages
<i>src-interface</i>	Use IP address of this interface for Register messages

Command Mode

- /exec/configure /exec/configure/vrf

ip pim register-until-stop

[no] ip pim register-until-stop

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
register-until-stop	Send Data Registers till Register Stop is received

Command Mode

- /exec/configure

ip pim rp-address

```
{ { ip pim rp-address <rp-address> [ group-list <prefix> | route-map <route-map-name> | prefix-list
<prefix-list-name> ] [ bidir ] [ override ] } | { no ip pim rp-address <rp-address> [ group-list <prefix> |
route-map <route-map-name> | prefix-list <prefix-list-name> ] [ bidir ] [ override ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
rp-address	Configure static RP for group range
<i>rp-address</i>	IP address of router which is RP for group range
group-list	(Optional) Group range for static RP
<i>prefix</i>	(Optional) Group range prefix
route-map	(Optional) Route Map policy for static RP
<i>route-map-name</i>	(Optional) Route-map name
prefix-list	(Optional) Prefix List policy for static RP
<i>prefix-list-name</i>	(Optional) Name of prefix-list
bidir	(Optional) Group range is treated in PIM bidirectional mode
override	(Optional) RP address will override the dynamically learnt RPs

Command Mode

- /exec/configure /exec/configure/vrf

ip pim rp-candidate group-list route-map prefix-list

```
{ { ip pim [ bsr ] rp-candidate <interface> { group-list <prefix> | route-map <route-map-name> | prefix-list
<prefix-list-name> } [ priority <priority> ] [ interval <interval> ] [ bidir ] } | { no ip pim [ bsr ] rp-candidate
[ <interface> ] [ group-list <prefix> ] [ route-map <route-map-name> ] [ prefix-list <prefix-list-name> ] [
priority <priority> ] [ interval <interval> ] [ bidir ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
bsr	(Optional) Bootstrap protocol RP-distribution configuration
rp-candidate	Configure router as a Rendezvous Point (RP) candidate
<i>interface</i>	Use IP address of interface for Candidate-RP messages
group-list	Group range list
<i>prefix</i>	Prefix of group range
route-map	Group range policy for Candidate RP
<i>route-map-name</i>	Route-map name
prefix-list	Prefix List policy for Candidate RP
<i>prefix-list-name</i>	Name of prefix-list
priority	(Optional) RP priority used in Candidate-RP messages
<i>priority</i>	(Optional) RP priority value
interval	(Optional) Bootstrap message transmission interval
<i>interval</i>	(Optional) Interval in seconds
bidir	(Optional) Group range advertised in PIM bidirectional mode

Command Mode

- /exec/configure /exec/configure/vrf

ip pim sg-expiry-timer infinity

```
{ { ip pim [ sparse ] sg-expiry-timer { <expiry-time> | infinity } [ sg-list <route-map-name> | prefix-list
<prefix-list-name> ] } | { no ip pim [ sparse ] sg-expiry-timer { <expiry-time> | infinity } [ sg-list
<route-map-name> | prefix-list <prefix-list-name> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
sparse	(Optional) PIM ASM
sg-expiry-timer	Adjust expiry time for PIM ASM (S,G) routes
<i>expiry-time</i>	Expiry timer interval in seconds
infinity	Never expire (S,G) route due to data inactivity
sg-list	(Optional) Specifies route-map for (S,G)s to apply the expiry timer
<i>route-map-name</i>	(Optional) Route-map name
prefix-list	(Optional) Specifies prefix-list for (S,G)s to apply the expiry timer
<i>prefix-list-name</i>	(Optional) Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ip pim sparse-mode

ip pim sparse-mode | no ip pim [sparse-mode]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
sparse-mode	Configures sparse-mode PIM on interface

Command Mode

- /exec/configure/if-igp

ip pim spt-switch-graceful

[no] ip pim spt-switch-graceful

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
spt-switch-graceful	Graceful switch-over to SPT

Command Mode

- /exec/configure /exec/configure/vrf

ip pim ssm

```
{ ip pim ssm { { range { <group> + | none } } | { route-map <route-map-name> } | { prefix-list
<prefix-list-name> } } | no ip pim ssm { { range { <group> + | none } } | { route-map <route-map-name> }
| { prefix-list <prefix-list-name> } } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
ssm	Source Specific Multicast (SSM) groups
range	Configure explicit group ranges
<i>group</i>	List of group range prefixes
route-map	Group range route-map policy for SSM range
<i>route-map-name</i>	Route-map name
prefix-list	Group range prefix-list policy for SSM range
<i>prefix-list-name</i>	Name of prefix-list
none	Remove all SSM group ranges

Command Mode

- /exec/configure /exec/configure/vrf

ip pim state-limit

```
{ { ip pim state-limit <max-states> [ reserved <route-map-name> <max-reserved> ] } | { no ip pim state-limit [ <max-states> [ reserved <route-map-name> <max-reserved> ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
state-limit	Configures State limit
<i>max-states</i>	Maximum (*,G)/(S,G) entries allowed in this VRF
reserved	(Optional) Configures Reserved limit
<i>route-map-name</i>	(Optional) Route-map name
<i>max-reserved</i>	(Optional) Maximum reserved (*,G)/(S,G) entries allowed in this VRF

Command Mode

- /exec/configure /exec/configure/vrf

ip pim strict-rfc-compliant

{ { ip pim strict-rfc-compliant } | { no ip pim strict-rfc-compliant } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM interface configuration commands
strict-rfc-compliant	Dont process joins from unknown neighbors on this interface

Command Mode

- /exec/configure/if-igp

ip pim strict-rfc-compliant

{ { ip pim strict-rfc-compliant } | { no ip pim strict-rfc-compliant } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pim	PIM global configuration commands
strict-rfc-compliant	Don't process joins from unknown neighbors

Command Mode

- /exec/configure /exec/configure/vrf

ip ping source-interface

[no] ip ping source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ping	Configure ping client
source-interface	Configure source interface feature for ping client
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip policy route-map

ip policy route-map <route-map-name> | no ip policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
policy	Configure PBR feature
route-map	Route-map for PBR
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-name</i>	(Optional) Known route-map name

Command Mode

- /exec/configure/if-igp /exec/configure/if-vni/

ip port-unreachable

[no] ip port-unreachable

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
port-unreachable	Enable sending ICMP port-unreachable

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip port access-group

[no] ip port access-group <name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
port	Port policy
access-group	Specify access control for packets
<i>name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/system/acl

ip port access-group

[no] ip port access-group <acl-ip-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
port	Port policy
access-group	Specify access control for packets
<i>acl-ip-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l2

ip pps threshold unicast-forward

ip pps threshold unicast-forward <size> [<logInterval>] | no ip pps threshold unicast-forward

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
pps	Packets per second configuration
threshold	Threshold value for PPS
unicast-forward	Counter for unicast forward packets
<i>size</i>	PPS threshold value (1-30000)
<i>logInterval</i>	(Optional) Syslog interval in seconds (default=1)

Command Mode

- /exec/configure

ip prefix-list description

```
{ ip prefix-list <ipv4-pfl-name> description <line> } | { no ip prefix-list <ipv4-pfl-name> description }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
prefix-list	Build a prefix list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name
description	Description of the IP prefix list
<i>line</i>	IP prefix-list description string

Command Mode

- /exec/configure

ip prefix-list permit

```
{ ip prefix-list <ipv4-pfl-name> [ seq <seq> ] { permit | deny } <prefix> { [ eq <equal> ] | [ ge <greater> ] | [ le <lesser> ] } [ mask <mask> ] } | { no ip prefix-list { <ipv4-pfl-name> | <ipv4-pfl-name> } [ seq <seq> ] [ permit | deny ] <prefix> { [ eq <equal> ] | [ ge <greater> ] | [ le <lesser> ] } [ mask <mask> ] }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
prefix-list	Build a prefix list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name
seq	(Optional) Sequence number of an entry
<i>seq</i>	(Optional) Sequence number
permit	Specify routes to forward
deny	Specify routes to reject
<i>prefix</i>	IP prefix network/length, e.g., 35.0.0.0/8
eq	(Optional) Exact prefix length to be matched
<i>equal</i>	(Optional) Exact prefix length
ge	(Optional) Minimum prefix length to be matched
<i>greater</i>	(Optional) Minimum prefix length
le	(Optional) Maximum prefix length to be matched
<i>lesser</i>	(Optional) Maximum prefix length
mask	(Optional) Explicit match mask
<i>mask</i>	(Optional) Mask to use with the prefix

Command Mode

- /exec/configure

ip proxy-arp

{ ip proxy-arp | no ip proxy-arp }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
proxy-arp	Configure proxy ARP

Command Mode

- /exec/configure/if-igp /exec/configure/if-vlan-common

ip radius source-interface

[no] ip radius source-interface | ip radius source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
radius	Radius server
source-interface	Source interface to be used to reach radius server
<i>interface</i>	Interface Description

Command Mode

- /exec/configure

ip redirect syslog

ip redirect syslog [<logInterval>] | no ip redirect syslog

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
redirect	IP redirect feature
syslog	syslog of IP redirect
<i>logInterval</i>	(Optional) Syslog interval in seconds (default=60)

Command Mode

- /exec/configure

ip redirects

ip redirects | no ip redirects

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
redirects	Send ICMP Redirect messages

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip rip authentication key-chain

{ ip rip authentication key-chain <keychain> | no ip rip authentication key-chain [<keychain>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
rip	RIP configuration commands
authentication	Authentication control
key-chain	Set authentication key-chain
<i>keychain</i>	Name of key-chain

Command Mode

- /exec/configure/if-igp

ip rip authentication mode text

{ ip rip authentication mode { text | md5 } | no ip rip authentication mode [{ text | md5 }] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
rip	RIP configuration commands
authentication	RIP authentication control
mode	Set authentication mode
text	Clear text authentication
md5	Keyed message digest

Command Mode

- /exec/configure/if-igp

ip rip poison-reverse

[no] { ipv6 | ip } rip poison-reverse

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
ip	Configure IP features
rip	RIP configuration commands
poison-reverse	RIP poison reverse (default split-horizon)

Command Mode

- /exec/configure/if-igp

ip rip route-filter route in

[no] { ipv6 | ip } rip route-filter { route-map <map> | prefix-list <list> } { in | out }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
ip	Configure IP features
rip	RIP configuration commands
route-filter	RIP route filtering
route-map	route-map policy to constrain route filtering
prefix-list	prefix-list policy to constrain route filtering
<i>map</i>	Route-map name
<i>list</i>	prefix-list name
in	inbound
out	outbound

Command Mode

- /exec/configure/if-igp

ip route

```
[no] ip route { <ip-addr> <ip-mask> | <ip-prefix> } { <interface> | { { <pin-interface> <next-hop> } | { <next-hop> | <nh-prefix> } | { <vlan-interface> } } [ vrf { <vrf-name> | <vrf-known-name> } ] [ track <object-num> ] [ name <rt-name> ] [ tag <tag-value> | <pref> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
route	Route information
<i>ip-addr</i>	IP prefix in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
<i>pin-interface</i>	Pin interface
<i>next-hop</i>	IP next-hop address in format i.i.i.i
<i>nh-prefix</i>	IP next-hop prefix in format i.i.i.i/m
<i>interface</i>	Interface for interface static routes
<i>vlan-interface</i>	vlan interface
track	(Optional) Specify the Object to be Tracked
<i>object-num</i>	(Optional) Track Object Number
name	(Optional) Specify name of the next hop
<i>rt-name</i>	(Optional) Name of next hop
<i>pref</i>	(Optional) Route preference
tag	(Optional) Supply tag value with static route
<i>tag-value</i>	(Optional) 32-bit value for tag
vrf	(Optional) VRF for next-hop if different from this vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure /exec/configure/config-mgmt /exec/configure/vrf

ip route static bfd

[no] ip route static bfd <pin-interface> <next-hop>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
route	Route information
static	Static route based configuration
bfd	Enable bfd detection on static route
<i>pin-interface</i>	Interface on which bfd has to be enabled
<i>next-hop</i>	IP next-hop address in format i.i.i.i

Command Mode

- /exec/configure /exec/configure/config-mgmt /exec/configure/vrf

ip router eigrp

[no] { ip | ipv6 } router eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
router	Enable a routing process
eigrp	Configure an EIGRP routing process on interface
<i>eigrp-ptag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ip router isis

[no] ip router isis <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
router	Enable a routing process
isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ip router ospf area

[no] ip router ospf <tag> area { <area-id-ip> | <area-id-int> } [secondaries none]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
router	Enable a routing process
ospf	OSPF configuration commands
<i>tag</i>	Process tag
area	Area associated with interface
<i>area-id-ip</i>	OSPF area ID in IP address format
<i>area-id-int</i>	OSPF area ID as a decimal format
secondaries	(Optional) Do not include secondary IP addresses
none	(Optional) Do not include secondary IP addresses

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip router ospf multi-area

[no] ip router ospf [<tag>] multi-area <area-id-ip>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
router	Enable a routing process
ospf	OSPF configuration commands
<i>tag</i>	(Optional) Process tag
multi-area	Multi area associated with interface
<i>area-id-ip</i>	Area Id as an integer or ip address

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ip router rip

[no] { ipv6 | ip } router rip <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
router	Enable a routing process
rip	Routing Information Protocol (RIP)
<i>tag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ip routing multicast holddown

[no] { ip | ipv4 } routing multicast holddown [<route-holddown-sec> | [disable-init-phase]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv4	Configure IP features
routing	Configure routing information
multicast	Configure multicast
holddown	Initial holddown period
<i>route-holddown-sec</i>	(Optional) Delay in seconds [70..3600], 0 to disable holddown
disable-init-phase	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ip routing multicast mfdm-buffer-route-count

{ ip | ipv4 } routing multicast mfdm-buffer-route-count { <size> } | no { ip | ipv4 } routing multicast mfdm-buffer-route-count [<size>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
ipv4	Configure IP features
routing	Configure routing information
multicast	Configure multicast
mfdm-buffer-route-count	mfdm buffer route size
<i>size</i>	size in numbers

Command Mode

- /exec/configure

ip routing multicast software-replicate

[no] ip routing multicast software-replicate [iif] [fabric]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
routing	Configure routing information
multicast	Configure multicast
software-replicate	Enable software replication of PIM ASM leak packets
iif	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fabric	(Optional) Enable software replication to fabric

Command Mode

- /exec/configure

ip secondary

ip { <ipaddress> | <ipprefix> } secondary | no ip { <ipaddress> | <ipprefix> } secondary

Syntax Description

no	Negate a command or set its defaults
ip	Enable HSRP IPv4 and set the virtual IP address
<i>ipaddress</i>	Virtual IP address
<i>ipprefix</i>	Virtual IP address and mask length
secondary	Make this IP address a secondary virtual IP address

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4

ip service-reflect destination to mask-len source

[no] ip service-reflect destination <in-grp> to <out-grp> mask-len <g-mlen> source <in-out-src> [to <out-src> mask-len <s-mlen>] [to-udp <udp-to-src-port> <udp-to-dest-port>] [to-udp-src-port <udp-to-src-port>] [to-udp-dest-port <udp-to-dest-port>] [static-oif <out-if>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
destination	Translation information
<i>in-grp</i>	Incoming Group/Source Address
to	
<i>out-grp</i>	Outgoing Group/Destination Address
mask-len	
<i>g-mlen</i>	Group Mask Length
source	
<i>in-out-src</i>	Source Address
to	(Optional)
<i>out-src</i>	(Optional) Outgoing Source Address
mask-len	(Optional)
<i>s-mlen</i>	(Optional) Source Mask Length
to-udp	(Optional)
to-udp-src-port	(Optional) to udp source port
to-udp-dest-port	(Optional) to udp destination port
<i>udp-to-src-port</i>	(Optional) UDP Src Port
<i>udp-to-dest-port</i>	(Optional) UDP Dest Port
static-oif	(Optional) static oif
<i>out-if</i>	(Optional) out interface

Command Mode

- /exec/configure /exec/configure/vrf

ip service-reflect mode ingress

[no] ip service-reflect mode { ingress | egress } <prefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
mode	Select NAT rewrite mode
ingress	Ingress NAT
egress	Egress NAT
<i>prefix</i>	List of group range prefixes

Command Mode

- /exec/configure /exec/configure/vrf

ip service-reflect mode regular

[no] ip service-reflect mode { regular | fast-pass [no-rewrite] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
mode	Select one-pass or three-pass mode
regular	Regular mode
fast-pass	Fast Pass Mode
no-rewrite	(Optional) No Mac Rewrite

Command Mode

- /exec/configure

ip service-reflect source-interface

{ ip service-reflect source-interface <interface> } | { no ip service-reflect source-interface [<interface>] }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
service-reflect	Service Reflect config command
source-interface	Source Interface
<i>interface</i>	Loopback interface

Command Mode

- /exec/configure /exec/configure/vrf

ip sla

[no] ip sla <index>

Syntax Description

no	
ip	
sla	Service Level Agreement (SLA)
<i>index</i>	Entry Number

Command Mode

- /exec/configure

ip sla

ip sla <index>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
<i>index</i>	Entry Number

Command Mode

- /exec/configure

ip sla group schedule

```
{ no ip sla group schedule <group-id> | ip sla group schedule <group-id> { <operation-ids> schedule-period
<schedule-period-seconds> { [ ageout <ageout-seconds> ] [ frequency { <frequency-seconds> | range
<random-frequency-range> } ] [ life { forever | <life-seconds> } ] [ start-time { <hhmm> [ { January | February
| March | April | May | June | July | August | September | October | November | December } <day> | <day> [
January | February | March | April | May | June | July | August | September | October | November | December
] ] | pending | now | after <hhmm> } ] } + } }
```

Syntax Description

<i>ageout</i>	(Optional) <ageout-seconds>
<i>frequency</i>	(Optional) <frequency-seconds>
<i>start-time</i>	(Optional) <hhmm>
<i>October</i>	(Optional) November
<i>life</i>	(Optional) forever
no	
ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
<i>group-id</i>	Group schedule entry number
<i>operation-ids</i>	Multiple probe ID's to be group scheduled
schedule-period	Group schedule period range
<i>schedule-period-seconds</i>	seconds
range	(Optional) Group operation frequency-range for random scheduling
<i>frequency-seconds</i>	(Optional) Specify frequency in seconds
<i>random-frequency-range</i>	(Optional) Specify frequency range in seconds
<i>ageout-seconds</i>	(Optional) Ageout Seconds
<i>life-seconds</i>	(Optional) Life seconds (default 3600)
forever	(Optional) continue running forever
after	(Optional) Start after a certain amount of time from now
<i>hhmm</i>	(Optional) Start time (hh:mm:ss)

January	(Optional) Month of year
February	(Optional) Month of year
March	(Optional) Month of year
April	(Optional) Month of year
May	(Optional) Month of year
June	(Optional) Month of year
July	(Optional) Month of year
August	(Optional) Month of year
September	(Optional) Month of year
October	(Optional) Month of year
November	(Optional) Month of year
December	(Optional) Month of year
<i>day</i>	(Optional) Day of month
now	(Optional) Start now
pending	(Optional) Start pending

Command Mode

- /exec/configure

ip sla group schedule add

ip sla group schedule <add-group-id> add <operation-ids>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
<i>add-group-id</i>	Group schedule entry number
add	Add probes to existing group
<i>operation-ids</i>	Multiple probe ID's to be group scheduled

Command Mode

- /exec/configure

ip sla group schedule delete

ip sla group schedule <del-group-id> delete <operation-ids>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
<i>del-group-id</i>	Group schedule entry number
delete	Delete probes from existing group
<i>operation-ids</i>	Multiple probe ID's to be group scheduled

Command Mode

- /exec/configure

ip sla group schedule reschedule

ip sla group schedule <reschedule-group-id> reschedule

Syntax Description

<i>reschedule</i>	
ip	
sla	Service Level Agreement (SLA)
group	Group Configuration or Group Scheduling
schedule	Group scheduling
<i>reschedule-group-id</i>	Group schedule entry number

Command Mode

- /exec/configure

ip sla logging traps

[no] ip sla logging traps

Syntax Description

no	(Optional)
ip	
sla	Service Level Agreement (SLA)
logging	Enable Syslog
traps	Enable syslog traps

Command Mode

- /exec/configure

ip sla reaction-configuration react

```
[no] ip sla reaction-configuration <react-cfg-entry-num> react <monitored-element> | ip sla
reaction-configuration <react-cfg-entry-num> react <monitored-element> { [ action-type <action> ] [
threshold-value <rising-value> <falling-value> ] [ threshold-type { <neverImmed> | <consecutive> [
<consecutive-occurrences> ] | <xOfy> [ <x-value> <y-value> ] | <average> [ <n-attempts> ] } ] } +
```

Syntax Description

<i>action-type</i>	(Optional) <action>
<i>threshold-type</i>	(Optional) <neverImmed>
no	
ip	
sla	Service Level Agreement (SLA)
reaction-configuration	IP SLAs Reaction-Configuration
<i>react-cfg-entry-num</i>	Entry Number
react	Reaction variable to be configured
<i>monitored-element</i>	monitored element
<i>action</i>	(Optional)
threshold-value	(Optional) Threshold Value
<i>rising-value</i>	(Optional) Upper limit for Threshold
<i>falling-value</i>	(Optional) Lower limit for Threshold
<i>neverImmed</i>	(Optional)
<i>consecutive</i>	(Optional)
<i>xOfy</i>	(Optional)
<i>average</i>	(Optional)
<i>consecutive-occurrences</i>	(Optional) Number of occurrences
<i>x-value</i>	(Optional) X value
<i>y-value</i>	(Optional) Y value
<i>n-attempts</i>	(Optional) N Value

Command Mode

- /exec/configure

ip sla reaction-trigger

[no] ip sla reaction-trigger <entry-num> <target-entry>

Syntax Description

no	(Optional)
ip	
sla	Service Level Agreement (SLA)
reaction-trigger	IP SLAs Trigger Assignment
<i>entry-num</i>	Entry Number
<i>target-entry</i>	Target entry Number

Command Mode

- /exec/configure

ip sla reset

ip sla reset

Syntax Description

ip	
sla	Service Level Agreement (SLA)
reset	IP SLAs Reset

Command Mode

- /exec/configure

ip sla responder

```
[no] ip sla responder [ { tcp-connect [ ipaddress <tcp-ip> ] port <tcp-port> } | { udp-echo [ ipaddress <udp-ip> ] port <udp-port> } ]
```

Syntax Description

no	(Optional)
ip	
sla	
responder	Enable IP SLAs Responder
tcp-connect	(Optional) Setup tcp-connect responder
ipaddress	(Optional) Permanent address
<i>tcp-ip</i>	(Optional) IP Address or IP HostName
port	(Optional) Permanent port
<i>tcp-port</i>	(Optional) Port Number
udp-echo	(Optional) Setup udp-echo responder
<i>udp-ip</i>	(Optional) IP Address or IP HostName
<i>udp-port</i>	(Optional) Port Number

Command Mode

- /exec/configure

ip sla responder twamp

[no] ip sla responder twamp

Syntax Description

no	(Optional)
ip	
sla	
responder	Enable IP SLAs Responder
twamp	Setup TWAMP responder

Command Mode

- /exec/configure

ip sla restart

ip sla restart <index>

Syntax Description

ip	
sla	Service Level Agreement (SLA)
restart	Restart An Active Entry
<i>index</i>	Entry Number

Command Mode

- /exec/configure

ip sla schedule

```
{ no ip sla schedule <index> | ip sla schedule <index> { [ life { <life-seconds> | forever } ] [ start-time { <hhmm> [ { January | February | March | April | May | June | July | August | September | October | November | December } <day> | <day> [ January | February | March | April | May | June | July | August | September | October | November | December ] ] | pending | now | { after <hhmm> } } ] [ ageout <ageout-seconds> ] [ recurring ] } + }
```

Syntax Description

<i>life</i>	(Optional) <life-seconds>
<i>start-time</i>	(Optional) <hhmm>
<i>after</i>	(Optional) <hhmm>
no	
ip	
sla	Service Level Agreement (SLA)
schedule	Entry Scheduling
<i>index</i>	Entry Number
<i>life-seconds</i>	(Optional) Life seconds (default 3600)
forever	(Optional) continue running forever
<i>hhmm</i>	(Optional) Start time (hh:mm:ss)
January	(Optional) Month of year
February	(Optional) Month of year
March	(Optional) Month of year
April	(Optional) Month of year
May	(Optional) Month of year
June	(Optional) Month of year
July	(Optional) Month of year
August	(Optional) Month of year
September	(Optional) Month of year
October	(Optional) Month of year
November	(Optional) Month of year
December	(Optional) Month of year

<i>day</i>	(Optional) Day of month
now	(Optional) Start now
pending	(Optional) Start pending
ageout	(Optional) How long to keep this Entry when inactive
<i>ageout-seconds</i>	(Optional) Ageout Seconds
recurring	(Optional) Probe to be scheduled automatically every day

Command Mode

- /exec/configure

ip sla server twamp

[no] ip sla server twamp

Syntax Description

no	(Optional)
ip	
sla	
server	IPSLA IPPM server configuration
twamp	IPSLA IPPM TWAMP server configuration

Command Mode

- /exec/configure

ip source-route

[no] ip source-route

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
source-route	IP source routing option

Command Mode

- /exec/configure

ip source binding vlan interface

[no] ip source binding <ipaddr1> <macaddr> vlan <vlanid> interface <interface1>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
source	IP source
binding	Static binding
<i>ipaddr1</i>	IP address
<i>macaddr</i>	MAC address
vlan	VLAN
<i>vlanid</i>	VLAN id
interface	interface
<i>interface1</i>	interface

Command Mode

- /exec/configure

ip split-horizon eigrp

[no] { ip | ipv6 } split-horizon eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
split-horizon	Configures IP-EIGRP split-horizon on interface
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ip ssh source-interface

[no] ip ssh source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ssh	Configure ssh
source-interface	Configure source interface feature for domain-lookup
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip summary-address eigrp ipv6 summary-address eigrp

```
{ [ no ] ip summary-address eigrp <eigrp-ptag> { { <address> <mask> } | { <prefix> } } [ <distance> ] [
leak-map <leak-map> ] | [ no ] ipv6 summary-address eigrp <eigrp-ptag> <ipv6-prefix> [ <distance> ] [
leak-map <leak-map> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
ipv6	Configure IPv6 features
summary-address	Configures IP-EIGRP summary address on interface
eigrp	EIGRP interface configuration commands
<i>eigrp-ptag</i>	Process tag
<i>address</i>	IP address
<i>mask</i>	IP network mask
<i>prefix</i>	IP prefix in slash format
<i>distance</i>	(Optional) Administrative distance
leak-map	(Optional) Allow dynamic prefixes based on the leak-map
<i>leak-map</i>	(Optional) leak-map name
<i>eigrp-ptag</i>	

Command Mode

- /exec/configure/if-igp

ip tacacs source-interface

[no] ip tacacs source-interface | ip tacacs source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tacacs	Tacacs server
source-interface	Source interface to be used to reach tacacs server
<i>interface</i>	Interface Description

Command Mode

- /exec/configure

ip tcp mss

```
{ { no ip tcp mss } | { ip tcp mss <bytes> } }
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tcp	Global TCP parameters
mss	Maximum segment size for TCP connections in bytes
<i>bytes</i>	Maximum segment size

Command Mode

- /exec/configure /exec/configure/config-mgmt

ip tcp path-mtu-discovery

{ { ip tcp path-mtu-discovery } | { no ip tcp path-mtu-discovery } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tcp	Global TCP parameters
path-mtu-discovery	Enable path-MTU discovery on TCP

Command Mode

- /exec/configure /exec/configure/config-mgmt

ip tcp synwait-time

{ { no ip tcp synwait-time } | { ip tcp synwait-time <time> } }

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
tcp	Global TCP parameters
synwait-time	Set time to wait on new TCP connections
<i>time</i>	Wait time

Command Mode

- /exec/configure /exec/configure/config-mgmt

ip telnet source-interface

[no] ip telnet source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
telnet	Configure telnet
source-interface	Configure source interface feature for domain-lookup
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip tftp source-interface

[no] ip tftp source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
tftp	Configure TFTP client
source-interface	Configure source interface feature for TFTP client
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip traceroute source-interface

[no] ip traceroute source-interface <ifnum> [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
traceroute	Configure traceroute client
source-interface	Configure source interface feature for traceroute
<i>ifnum</i>	Source interface
vrf	(Optional) Configure VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure

ip ttl

[no] ip ttl <ttl_value>

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Set ERSPAN IP options
ttl	Set the IP time-to-live value
<i>ttl_value</i>	

Command Mode

- /exec/configure/config-monitor-erspan-src

ip udp relay addrgroup

[no] ip udp relay addrgroup <obj-grp-name>

Syntax Description

ip	Configure IP features
no	(Optional) Negate a command or set its defaults
udp	Enable/disable UDP forwarding
relay	UDP relay agent parameters
addrgroup	UDP Relay IP Address group
<i>obj-grp-name</i>	Object grp Name

Command Mode

- /exec/configure/if-igp

ip unnumbered

ip unnumbered <interface> | no ip unnumbered [<interface>]

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
unnumbered	Configure interface as unnumbered
<i>interface</i>	Interface with IP address

Command Mode

- /exec/configure/ppm-ethernet-switch /exec/configure/if-p2p /exec/configure/if-gre-tunnel /exec/configure/if-any-tunnel /exec/configure/if-port-channel-sub /exec/configure/if-vlan

ip unreachable

[no] ip unreachable

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
unreachables	Enable sending ICMP unreachable (other than port-unreachable)

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ip verify source dhcp-snooping-vlan

[no] ip verify source dhcp-snooping-vlan

Syntax Description

no	(Optional) Negate a command or set its defaults
ip	Configure IP features
verify	Configure Unicast Reverse Path Forwarding or IP Source Guard
source	IP Source Guard related commands
dhcp-snooping-vlan	Vlans on which snooping is enabled

Command Mode

- /exec/configure/if-switching

ip verify unicast source reachable-via rx

```
[no] ip verify unicast source reachable-via [ { rx [ allow vni-hosts ] | any [ allow-default ] } [ policy { <policy-name> | <acl_pol_name> } ] ] | ip verify unicast source reachable-via { rx [ allow vni-hosts ] | any [ allow-default ] } [ policy { <policy-name> | <acl_pol_name> } ]
```

Syntax Description

no	Negate a command or set its defaults
ip	Configure IP features
verify	Configure Unicast Reverse Path Forwarding or IP Source Guard
unicast	Unicast Reverse Path Forwarding
source	Validation of source address
reachable-via	Specify reachability check to apply to the source address
rx	(Optional) Source is reachable via interface on which packet was received
allow	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vni-hosts	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
any	(Optional) Source is reachable via any interface
allow-default	(Optional) Loose Default Route Unicast Reverse Path Forwarding
policy	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>policy-name</i>	(Optional) An uRPF fail policy name
<i>acl_pol_name</i>	(Optional) An existing access-rules policy

Command Mode

- /exec/configure/if-igp

ipv4

[no] ipv4 <aclname>

Syntax Description

ipv4	Specify the ipv4 acl name
<i>aclname</i>	ACL name to be applied

Command Mode

- /exec/configure/nfm-filter

ipv4

[no] ipv4 <aclname>

Syntax Description

ipv4	Specify the ipv4 acl name
<i>aclname</i>	ACL name to be applied

Command Mode

- /exec/configure/nfm-filter

ipv6

[no] ipv6 <aclname>

Syntax Description

ipv6	Specify the ipv6 acl name
<i>aclname</i>	ACL name to be applied

Command Mode

- /exec/configure/nfm-filter

ipv6

[no] ipv6 <aclname>

Syntax Description

ipv6	Specify the ipv6 acl name
<i>aclname</i>	ACL name to be applied

Command Mode

- /exec/configure/nfm-filter

ipv6 access-class

[no] ipv6 access-class <acl-ipv6-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
access-class	Specify IPv6 access control for packets
<i>acl-ipv6-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/line

ipv6 access-list

[no] ipv6 access-list <acl-ipv6-name> [client <clienttype> <clientID>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
access-list	Configure access list
<i>acl-ipv6-name</i>	List name
client	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clienttype</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clientID</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ipv6 access-list match-local-traffic

[no] ipv6 access-list match-local-traffic | ipv6 access-list match-local-traffic

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
access-list	Configure access list
match-local-traffic	Enable access-list matching for locally generated traffic

Command Mode

- /exec/configure

ipv6 address

```
{ ipv6 address <ipv6-prefix> | no ipv6 address [ <ipv6-prefix> ] }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on bridge

Command Mode

- /exec/configure/app-hosting-bridge

ipv6 address

```
[no] ipv6 address [ { autoconfig [ default ] | [ <ipv6-prefix> [ eui64 ] [ use-bia ] [ route-preference <pref> ]
[ tag <tag> ] [ anycast ] } ] | ipv6 address { autoconfig [ default ] | [ <ipv6-prefix> [ eui64 ] [ use-bia ] [
route-preference <pref> ] [ tag <tag> ] [ anycast ] [ aggregate-prefix-length <prefix-length> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on interface
autoconfig	(Optional) Configure IPv6 Stateless address autoconfig
default	(Optional) For SLAAC, adds default route and the nh would be fetched from RA source address
eui64	(Optional) Configure Extended Unique Identifier for the low-order 64 bits
use-bia	(Optional) use BIA
anycast	(Optional) Configure IPv6 anycast address on interface
route-preference	(Optional) U6RIB route preference for local/direct routes
<i>pref</i>	(Optional) Local/direct route preference
tag	(Optional) U6RIB route tag value for local/direct routes
<i>tag</i>	(Optional) Local/direct tag value
aggregate-prefix-length	(Optional) Prefix-Length for AM Route Aggregation
<i>prefix-length</i>	(Optional) Aggregation Prefix-Length Value

Command Mode

- /exec/configure/if-igp /exec/configure/if-any-tunnel /exec/configure/if-vsant /exec/configure/if-mgmt-config

ipv6 address dhcp

[no] ipv6 address dhcp

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on interface
dhcp	Configure IPv6 address from a dhcp server

Command Mode

- /exec/configure/if-vlan /exec/configure/if-ethernet /exec/configure/if-mgmt-config /exec/configure/if-ethernet-all /exec/configure/if-sub

ipv6 address use-link-local-only

[no] ipv6 address use-link-local-only | ipv6 address use-link-local-only

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
address	Configure IPv6 address on interface
use-link-local-only	Enable IPv6 on interface using only a single link-local address

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-gre-tunnel /exec/configure/if-6to4-tunnel /exec/configure/if-vsan

ipv6 adjacency-stale-timer

```
{ { ipv6 [ icmp ] adjacency-stale-timer <stale-time> } | { no ipv6 [ icmp ] adjacency-stale-timer [ <stale-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) Configure icmp parameters
adjacency-stale-timer	When probing for an adjacency begins
<i>stale-time</i>	Seconds after adjacency uptime

Command Mode

- /exec/configure

ipv6 adjacency route distance

{ ipv6 adjacency route distance <pref> } | { no ipv6 adjacency route distance }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
adjacency	Configure Adjmgr
route	route
distance	admin-distance
<i>pref</i>	preference

Command Mode

- /exec/configure

ipv6 amt gateway

[no] ipv6 amt gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
amt	AMT global configuration commands
gateway	Configures IPv6 AMT gateway functionality

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 amt relay

[no] ipv6 amt relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
amt	AMT global configuration commands
relay	Configures IPv6 AMT relay functionality

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 destination

```
{ ipv6 { destination | source } <addr> } | { no ipv6 { destination | source } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	specify flow ipv6 address
source	specify flow source ipv6 address
destination	specify flow destination ipv6 address

Command Mode

- /exec/configure/configngoamprofileflow

ipv6 dhcp guard

[no] ipv6 dhcp guard [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>policy_name</i>	(Optional) policy name for feature DHCP Guard

Command Mode

- /exec/configure/if-switching

ipv6 dhcp guard

[no] ipv6 dhcp guard [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>policy_name</i>	(Optional) policy name for feature DHCP Guard

Command Mode

- /exec/configure/vlan-config

ipv6 dhcp guard policy

[no] ipv6 dhcp guard policy <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>policy_name</i>	Name of the dhcp guard policy

Command Mode

- /exec/configure

ipv6 dhcp relay

[no] ipv6 dhcp relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent

Command Mode

- /exec/configure

ipv6 dhcp relay address

[no] ipv6 dhcp relay address [<ip-addr-val> [use-vrf <vrf-name>] [interface <interface-name>]] | no ipv6 dhcp relay address [<ip-addr-val> [interface <interface-name>] [use-vrf <vrf-name>]]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
address	Configure DHCPv6 server relay address
use-vrf	(Optional) server address VRF membership
<i>vrf-name</i>	(Optional) VRF name
interface	(Optional) Destination interface for the relay address
<i>interface-name</i>	(Optional) Destination interface

Command Mode

- /exec/configure/if-igp

ipv6 dhcp relay address ipv6 dhcp relay address

```
ipv6 dhcp relay address <ip-addr-val> [ use-vrf <vrf-name> ] [ interface <interface-name> ] | ipv6 dhcp relay
address <ip-addr-val> [ interface <interface-name> ] [ use-vrf <vrf-name> ]
```

Syntax Description

<code>ipv6</code>	Configure IPv6 features
<code>dhcp</code>	Configure DHCPv6 relay
<code>relay</code>	Configure DHCPv6 relay agent
<code>address</code>	Configure DHCPv6 server relay address
<code>use-vrf</code>	(Optional) server address VRF membership
<code>vrf-name</code>	(Optional) VRF name
<code>interface</code>	(Optional) Destination interface for the relay address
<code>interface-name</code>	(Optional) Destination interface

Command Mode

- /exec/configure/if-igp /exec/configure/ppm-ethernet-switch /exec/configure/ppm-port-channel-switch

ipv6 dhcp relay option79

[no] ipv6 dhcp relay option79

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	DHCPv6 relay agent parameters
option79	Relay agent option79

Command Mode

- /exec/configure

ipv6 dhcp relay option type cisco

[no] ipv6 dhcp relay option type cisco

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	DHCPv6 relay agent parameters
option	Relay agent option
type	Relay agent option type
cisco	Use Cisco proprietary options

Command Mode

- /exec/configure

ipv6 dhcp relay option vpn

[no] ipv6 dhcp relay option vpn

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	DHCPv6 relay agent parameters
option	Insert DHCPv6 relay information in Relay forward
vpn	Enable DHCPv6 relay support across VRFs

Command Mode

- /exec/configure

ipv6 dhcp relay prefix-delegation route

[no] ipv6 dhcp relay prefix-delegation route

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
prefix-delegation	Enable Prefix delegation
route	Enable route addition for delegated prefixes

Command Mode

- /exec/configure

ipv6 dhcp relay source-interface

[no] ipv6 dhcp relay source-interface

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
source-interface	Configure source interface for DHCPv6 relay

Command Mode

- /exec/configure /exec/configure/if-igp

ipv6 dhcp relay source-interface

ipv6 dhcp relay source-interface <interface-name>

Syntax Description

ipv6	Configure IPv6 features
dhcp	Configure DHCPv6 relay
relay	Configure DHCPv6 relay agent
source-interface	Configure source interface for DHCPv6 relay
<i>interface-name</i>	Source interface

Command Mode

- /exec/configure /exec/configure/if-igp

ipv6 dhcp smart-relay

[no] ipv6 dhcp smart-relay

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay on interface

Command Mode

- /exec/configure/if-igp

ipv6 dhcp smart-relay global

[no] ipv6 dhcp smart-relay global

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
dhcp	Configure DHCP snooping or relay
smart-relay	Configure DHCP smart relay
global	Configure DHCP smart relay globally

Command Mode

- /exec/configure

ipv6 flow monitor input

```
[no] ipv6 flow monitor <monitorname> { input }
```

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-vlan-common

ipv6 flow monitor input

[no] ipv6 flow monitor <monitorname> { input }

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-vethernet /exec/configure/if-veth /exec/configure/if-veth-all /exec/configure/if-veth-any

ipv6 flow monitor input

[no] ipv6 flow monitor <monitorname> { input }

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/if-routing /exec/configure/if-switching /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

ipv6 flow monitor input

[no] ipv6 flow monitor <monitorname> { input }

Syntax Description

ipv6	Configure IPv6 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic

Command Mode

- /exec/configure/vlan-config

ipv6 flow rtp

[no] ipv6 flow rtp [<ipv6-acl>]

Syntax Description

ipv6	ipv6 configuration
flow	Enable/Disable NetFlow configuration
rtp	configure rtp flows for packet loss monitoring
<i>ipv6-acl</i>	(Optional) ipv6 ACL name

Command Mode

- /exec/configure

ipv6 forward

ipv6 forward | no ipv6 forward

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
forward	Enable ipv6 forwarding on interface

Command Mode

- /exec/configure/if-vlan /exec/configure/if-vlan-range

ipv6 host

[no] ipv6 host <s0> [<ipv6_0>] | ipv6 host <s0> <ipv6_0>

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
host	Add an entry to the ip hostname table
<i>s0</i>	Name of Host

Command Mode

- /exec/configure

ipv6 link-local

[no] ipv6 link-local [<ipv6-addr>] | ipv6 link-local <ipv6-addr>

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
link-local	Change format of link-local address

Command Mode

- /exec/configure/if-vlan /exec/configure/if-mgmt-config /exec/configure/if-gre-tunnel /exec/configure/if-6to4-tunnel /exec/configure/if-igp /exec/configure/if-vsan

ipv6 link-local use-bia

[no] ipv6 link-local use-bia | ipv6 link-local use-bia

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
link-local	Change format of link-local address
use-bia	Use burnt-in-address to generate link-local

Command Mode

- /exec/configure/if-igp

ipv6 local policy route-map

ipv6 local policy route-map <route-map-name> | no ipv6 local policy route-map [<route-map-name> | <route-map-name>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
local	Configure local PBR feature
policy	Configure PBR feature
route-map	Route-map for PBR
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-name</i>	(Optional) Known route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 mld group-timeout

```
{ { no ipv6 [ icmp ] mld group-timeout [ <time> ] } | { ipv6 [ icmp ] mld group-timeout <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
group-timeout	Configures group membership timeout
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld immediate-leave

[no] ipv6 [icmp] mld immediate-leave

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
immediate-leave	Enable/Disable immediate leave

Command Mode

- /exec/configure/if-igp

ipv6 mld join-group

```
[no] ipv6 [ icmp ] mld join-group { { <group> [ source <source> ] } | { route-map <route-map-name> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
join-group	Configures local group membership for router
source	(Optional) Configures source address for MLDv2 (S,G) channel
route-map	Join group policy
<i>route-map-name</i>	Route-map name

Command Mode

- /exec/configure/if-igp

ipv6 mld last-member-query-count

```
{ { no ipv6 [ icmp ] mld last-member-query-count [ <count> ] } | { ipv6 [ icmp ] mld last-member-query-count <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
last-member-query-count	Configures number of group-specific Queries sent
<i>count</i>	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ipv6 mld last-member-query-response-time

```
{ { no ipv6 [ icmp ] mld last-member-query-response-time [ <interval> ] } | { ipv6 [ icmp ] mld
last-member-query-response-time <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
last-member-query-response-time	Configures last member query response time
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld querier

```
{ { no ipv6 [ icmp ] mld { querier-timeout | query-timeout } [ <time> ] } | { ipv6 [ icmp ] mld { querier-timeout | query-timeout } <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
query-timeout	Configures querier timeout for MLDv1
querier-timeout	Configures querier timeout for MLDv1
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld query-interval

```
{ { no ipv6 [ icmp ] mld query-interval [ <interval> ] } | { ipv6 [ icmp ] mld query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
query-interval	Configures interval between Query transmission
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld query-max-response-time

```
{ { no ipv6 [ icmp ] mld query-max-response-time [ <time> ] } | { ipv6 [ icmp ] mld query-max-response-time <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
query-max-response-time	Configures MRT for query messages
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld report-link-local-groups

[no] ipv6 [icmp] mld report-link-local-groups

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
report-link-local-groups	Send Reports for link-local groups

Command Mode

- /exec/configure/if-igp

ipv6 mld report

```
{ { ipv6 [ icmp ] mld { report-policy | access-group } <route-map-name> } | { no ipv6 [ icmp ] mld {
report-policy | access-group } [ <route-map-name> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
report-policy	MLD report policy
access-group	MLD access-group
<i>route-map-name</i>	Route-map name

Command Mode

- /exec/configure/if-igp

ipv6 mld robustness-variable

```
{ { no ipv6 [ icmp ] mld robustness-variable [ <value> ] } | { ipv6 [ icmp ] mld robustness-variable <value> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
robustness-variable	Configures RFC defined Robustness Variable
<i>value</i>	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ipv6 mld snooping

{ { no ipv6 mld snooping } | { ipv6 mld snooping } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping

{ { no ipv6 mld snooping } | { ipv6 mld snooping } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping

Command Mode

- /exec/configure

ipv6 mld snooping access-group

[no] ipv6 mld snooping access-group <route-map-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
access-group	Filter or report policy for specified groups
<i>route-map-name</i>	route-map name

Command Mode

- /exec/configure/vlan-config

ipv6 mld snooping disable-nve-static-router-port

[no] ipv6 mld snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ipv6 mld snooping disable-nve-static-router-port

[no] ipv6 mld snooping disable-nve-static-router-port

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
disable-nve-static-router-port	Disable NVE as a static router port

Command Mode

- /exec/configure

ipv6 mld snooping explicit-tracking

{ { no ipv6 mld snooping explicit-tracking } | { ipv6 mld snooping explicit-tracking } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
explicit-tracking	Configures Explicit Host tracking for VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping fast-leave

{ { no ipv6 mld snooping fast-leave } | { ipv6 mld snooping fast-leave } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
fast-leave	Configures Fast leave for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping group-timeout

[no] ipv6 mld snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
group-timeout	Configures group membership timeout in all VLAN/BDs
<i>timeout</i>	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure

ipv6 mld snooping group-timeout

[no] ipv6 mld snooping group-timeout { <timeout> | never }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
group-timeout	Configures group membership timeout in VLAN/BD
<i>timeout</i>	Timeout in minutes
never	Never expire ports from group membership

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping last-member-query-interval

```
{ { no ipv6 mld snooping last-member-query-interval [ <interval> ] } | { ipv6 mld snooping
last-member-query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
last-member-query-interval	Configures interval between group-specific Query transmissions
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping link-local-groups-suppression

[no] ipv6 mld snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
link-local-groups-suppression	Configures VLAN/BD link-local groups suppression

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping link-local-groups-suppression

[no] ipv6 mld snooping link-local-groups-suppression

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
link-local-groups-suppression	Configures Global link-local groups suppression

Command Mode

- /exec/configure

ipv6 mld snooping many-to-one-enhance

[no] ipv6 mld snooping many-to-one-enhance

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
many-to-one-enhance	Enable many to one optimization for n3500 platform

Command Mode

- /exec/configure

ipv6 mld snooping max-gq-miss

```
{ { no ipv6 mld snooping max-gq-miss } | { ipv6 mld snooping max-gq-miss <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
max-gq-miss	Configure general query miss count
<i>count</i>	Max number of GQ misses allowed

Command Mode

- /exec/configure

ipv6 mld snooping mrouter interface

```
{ [ no ] ipv6 mld snooping mrouter interface [ vsi ] <interface> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
mrouter	Configures static multicast router interface
interface	Specify interface for static-mrouter
vsi	(Optional) Specify if this interface is a VSI
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping mrouter vpc-peer-link

[no] ipv6 mld snooping mrouter vpc-peer-link

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
mrouter	Configures static multicast router interface
vpc-peer-link	Specify vpc-peer-link as static mrouter for all VLAN/BDS

Command Mode

- /exec/configure

ipv6 mld snooping optimise-multicast-flood

[no] ipv6 mld snooping optimise-multicast-flood

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
optimise-multicast-flood	Configures Optimized Multicast Flood (OMF) on all VLAN/BDs

Command Mode

- /exec/configure

ipv6 mld snooping proxy-leave use-group-address

```
{ { ipv6 mld snooping proxy-leave use-group-address } | { no ipv6 mld snooping proxy-leave use-group-address } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
proxy-leave	Proxy Leave
use-group-address	Use group address for proxy leave

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping proxy general-queries

[no] ipv6 mld snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
proxy	Configures MLD snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
<i>mrt</i>	(Optional) MRT in seconds

Command Mode

- /exec/configure

ipv6 mld snooping proxy general-queries

[no] ipv6 mld snooping proxy general-queries [mrt <mrt>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
proxy	Configures MLD snooping proxy
general-queries	Configures proxy for general-queries
mrt	(Optional) Configure max-response-time for the switch's proxy general-queries
<i>mrt</i>	(Optional) MRT in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping querier-timeout

```
{ { no ipv6 mld snooping querier-timeout [ <time> ] } | { ipv6 mld snooping querier-timeout <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
querier-timeout	Configures querier timeout for MLDv2
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping querier

```
{ { no ipv6 mld snooping querier [ <querier> ] } | { ipv6 mld snooping querier <querier> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
querier	Enables snooping querier

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping query-interval

{ { no ipv6 mld snooping query-interval [<interval>] } | { ipv6 mld snooping query-interval <interval> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
query-interval	Configures interval between query transmission
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping query-max-response-time

```
{ { no ipv6 mld snooping query-max-response-time [ <time> ] } | { ipv6 mld snooping query-max-response-time <time> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
query-max-response-time	Configures MRT for query messages
<i>time</i>	(Optional) Time in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping report-flood all

```
{ { ipv6 mld snooping report-flood { all | interface <interface> } } | { no ipv6 mld snooping report-flood { all | interface <interface> } } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
report-flood	Configures Report flooding on a VLAN
interface	Specify interface for report flooding
all	Flood on ALL active ports of VLAN
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping report-suppression

{ { no ipv6 mld snooping report-suppression } | { ipv6 mld snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
report-suppression	Configures Global MLDv1 Report Suppression

Command Mode

- /exec/configure

ipv6 mld snooping report-suppression

{ { no ipv6 mld snooping report-suppression } | { ipv6 mld snooping report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
report-suppression	Configures MLDv1 Report Suppression for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping report prefix interface

```
{ [ no ] ipv6 mld snooping { report-policy | access-group } { prefix-list | route-map } <pname> interface
<interface> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
report-policy	MLD report policy
access-group	Filter or report policy for specified groups
prefix-list	IPv6 Prefix-List report policy
route-map	Route-Map report policy
<i>pname</i>	Policy Name
interface	Specify interface for filtering
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping robustness-variable

```
{ { no ipv6 mld snooping robustness-variable [ <value> ] } | { ipv6 mld snooping robustness-variable <value> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
robustness-variable	Configures RFC defined Robustness Variable
<i>value</i>	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping startup-query-count

```
{ { no ipv6 mld snooping startup-query-count [ <count> ] } | { ipv6 mld snooping startup-query-count <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
startup-query-count	Configures number of queries sent at startup
<i>count</i>	(Optional) Count value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping startup-query-interval

```
{ { no ipv6 mld snooping startup-query-interval [ <interval> ] } | { ipv6 mld snooping startup-query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
startup-query-interval	Configures query interval at startup
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping static-group interface

```
{ [ no ] ipv6 mld snooping static-group <group> [ source <source> ] interface [ vsi ] <interface> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
static-group	Configures static group membership
source	(Optional) Configures static (S,G) channel
interface	Specify interface for static-group
vsi	(Optional) Specify if this interface is a VSI
<i>interface</i>	Interface name

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping syslog-threshold

{ ipv6 mld snooping syslog-threshold <percentage> } | { no ipv6 mld snooping syslog-threshold }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
syslog-threshold	MLD SNOOPING table syslog threshold
<i>percentage</i>	Percentage

Command Mode

- /exec/configure

ipv6 mld snooping v2-report-suppression

{ { no ipv6 mld snooping v2-report-suppression } | { ipv6 mld snooping v2-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
v2-report-suppression	Configures MLDv2 Report Suppression and Proxy Reporting for the VLAN/BD

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping v2-report-suppression

{ { no ipv6 mld snooping v2-report-suppression } | { ipv6 mld snooping v2-report-suppression } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
v2-report-suppression	Configures Global MLDv2 Report Suppression and Proxy Reporting

Command Mode

- /exec/configure

ipv6 mld snooping version

```
{ { no ipv6 mld snooping version [ <version> ] } | { ipv6 mld snooping version <version> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD commands
snooping	Configures MLD Snooping
version	Configures MLD version number for VLAN/BD
<i>version</i>	(Optional) Version number value

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

ipv6 mld snooping vxlan-umc drop

[no] ipv6 mld snooping vxlan-umc drop [vlan <vlans-range>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
vxlan-umc	Turn off flooding on VLANs
drop	Drop unknown multicast traffic on all VLANs
vlan	(Optional) VLAN list to drop the unknown multicast traffic
<i>vlans-range</i>	(Optional) VLAN IDs for which unknown multicast traffic is dropped

Command Mode

- /exec/configure

ipv6 mld snooping vxlan

{ { no ipv6 mld snooping vxlan } | { ipv6 mld snooping vxlan } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD global configuration commands
snooping	Configures MLD Snooping
vxlan	Configures Snooping for vxlan vlans

Command Mode

- /exec/configure

ipv6 mld ssm-translate

[no] ipv6 [icmp] mld ssm-translate <group> <source>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) Configure icmp parameters
mld	MLD global configuration commands
ssm-translate	Translate MLDv1 reports to (S,G) route entries

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 mld startup-query-count

```
{ { no ipv6 [ icmp ] mld startup-query-count [ <count> ] } | { ipv6 [ icmp ] mld startup-query-count <count> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
startup-query-count	Configures number of queries sent at startup
<i>count</i>	(Optional) Count value

Command Mode

- /exec/configure/if-igp

ipv6 mld startup-query-interval

```
{ { no ipv6 [ icmp ] mld startup-query-interval [ <interval> ] } | { ipv6 [ icmp ] mld startup-query-interval <interval> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
startup-query-interval	Configures query interval at startup
<i>interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 mld state-limit

```
{ { ipv6 [ icmp ] mld state-limit <max-states> [ reserved <route-map-name> <max-reserved> ] } | { no ipv6 [ icmp ] mld state-limit [ <max-states> [ reserved <route-map-name> <max-reserved> ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD interface configuration commands
state-limit	Configures State limit
<i>max-states</i>	Maximum states allowed
reserved	(Optional) Reserve the states using route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>max-reserved</i>	(Optional) Maximum (*,G)/(S,G) entires allowed on the interface

Command Mode

- /exec/configure/if-igp

ipv6 mld syslog-threshold

```
{ ipv6 [ icmp ] mld syslog-threshold <percentage> } | { no ipv6 [ icmp ] mld syslog-threshold }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
mld	MLD global configuration commands
syslog-threshold	MLD table syslog threshold
<i>percentage</i>	Percentage

Command Mode

- /exec/configure

ipv6 mld version

{ { no ipv6 mld version [<version>] } | { ipv6 mld version <version> } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
mld	MLD interface configuration commands
version	Configures MLD version number for interface
<i>version</i>	(Optional) Version number value

Command Mode

- /exec/configure/if-igp

ipv6 multicast group-range prefix-list

```
{ ipv6 multicast group-range prefix-list <prefix-list-name> } | { no ipv6 multicast group-range prefix-list [ <prefix-list-name> ] }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Display IP information
multicast	Display multicast information
group-range	Display group-range prefix
prefix-list	Group range prefix-list policy for multicast boundary
<i>prefix-list-name</i>	Name of prefix-list

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 multicast multipath

[no] ipv6 multicast multipath { <multipath-type> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Display IPv6 information
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
<i>multipath-type</i>	multipath type

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 multicast multipath resilient

[no] ipv6 multicast multipath resilient

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Display IPv6 information
multicast	Configure IP multicast global parameters
multipath	Configure ECMP multicast load splitting
resilient	Configure resilient RPF interface

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 nd cache limit

```
{ { ipv6 nd cache limit <max> } | { no ipv6 nd cache limit } } [ syslog <rate> ]
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
cache	ND cache parameters
limit	Limit size of ND adjacencies cache
<i>max</i>	Max no of ND adjacencies configured
syslog	(Optional) Syslog messages
<i>rate</i>	(Optional) Syslogs per second

Command Mode

- /exec/configure

ipv6 nd dad attempts

ipv6 nd dad attempts <attempt> | no ipv6 nd dad attempts

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
dad	Duplicate Address Detection
attempts	Set IPv6 Duplicate Address Detection Transmits
<i>attempt</i>	Number of attempts

Command Mode

- /exec/configure/if-igp

ipv6 nd dadns-discover

{ ipv6 nd dadns-discover <dadns_interval> } | { no ipv6 nd dadns-discover }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
dadns-discover	Discover host from DADNS
<i>dadns_interval</i>	Interval in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 nd delete-adj-on-mac-delete

ipv6 nd delete-adj-on-mac-delete | no ipv6 nd delete-adj-on-mac-delete

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
delete-adj-on-mac-delete	Delete the adjacency on MAC delete

Command Mode

- /exec/configure/if-vlan-common

ipv6 nd drop-fragments

ipv6 nd drop-fragments | no ipv6 nd drop-fragments

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
drop-fragments	Drop fragmented ND packets

Command Mode

- /exec/configure

ipv6 nd hop-limit

```
{ { ipv6 nd hop-limit <hop-limit> } | { no ipv6 nd hop-limit [ <hop-limit> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
hop-limit	Sent in RA messages, tells hosts what hop-limit to use when originating IPv6 packets
<i>hop-limit</i>	Hop limit in IPv6 header

Command Mode

- /exec/configure/if-igp

ipv6 nd local-proxy no-hw-flooding

{ { ipv6 nd local-proxy <prefix> no-hw-flooding } | { no ipv6 nd local-proxy <prefix> no-hw-flooding } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
local-proxy	enable nd local proxy
no-hw-flooding	disable hardware flooding

Command Mode

- /exec/configure/if-vlan-common

ipv6 nd local-proxy no-hw-flooding

```
{ { ipv6 nd local-proxy <prefix> no-hw-flooding } | { no ipv6 nd local-proxy <prefix> no-hw-flooding } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
local-proxy	enable nd local proxy
no-hw-flooding	disable hardware flooding

Command Mode

- /exec/configure/if-vlan-common

ipv6 nd mac-extract

[no] ipv6 nd mac-extract [exclude nud-phase]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
mac-extract	Extract next hop MAC address embedded in IPV6 address
exclude	(Optional) Exclude
nud-phase	(Optional) during NUD phase

Command Mode

- /exec/configure/if-igp

ipv6 nd managed-config-flag

[no] ipv6 nd managed-config-flag

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
managed-config-flag	Sent in RA messages, tells hosts to use stateful address auto-configuration to obtain address information

Command Mode

- /exec/configure/if-igp

ipv6 nd mtu

```
{ { ipv6 nd mtu <mtu> } | { no ipv6 nd mtu [ <mtu> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
mtu	Sent in RA messages, tells hosts what MTU to use on this link
<i>mtu</i>	MTU in bytes

Command Mode

- /exec/configure/if-igp

ipv6 nd ns-interval

```
{ { ipv6 nd ns-interval <interval> [ <retry-count> ] } | { no ipv6 nd ns-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ns-interval	Retransmission interval between sending Neighbor-Solicitation messages
<i>interval</i>	Interval in milliseconds
<i>retry-count</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-igp

ipv6 nd off-list timeout

{ ipv6 nd off-list timeout <time> } | { no ipv6 nd off-list timeout }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	Display Neighbor Discovery interface information
off-list	off-list
timeout	Expire time
<i>time</i>	Expire time value in seconds

Command Mode

- /exec/configure

ipv6 nd other-config-flag

[no] ipv6 nd other-config-flag

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
other-config-flag	Sent in RA messages, tells hosts to use stateful auto-configuration to obtain non-address related information

Command Mode

- /exec/configure/if-igp

ipv6 nd prefix

```
{ { ipv6 nd prefix <prefix> [ { <val-life> | infinite } { <perf-life> | infinite } [ [ no-autoconfig ] [ no-onlink ]
[ no-rtr-address ] [ off-link ] ] | no-advertise ] } | { no ipv6 nd prefix <prefix> } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
prefix	IPv6 Prefix to advertise in RA
<i>val-life</i>	(Optional) Valid Lifetime (secs)
infinite	(Optional) Infinite Valid Lifetime
no-advertise	(Optional) Do not advertise prefix
<i>perf-life</i>	(Optional) Preferred Lifetime (secs)
infinite	(Optional) Infinite Preferred Lifetime
no-autoconfig	(Optional) Do not use prefix for autoconfiguration
no-onlink	(Optional) Do not use prefix for onlink determination
no-rtr-address	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
off-link	(Optional) Prefix is offlink

Command Mode

- /exec/configure/if-igp

ipv6 nd prefix default

```
{ { ipv6 nd prefix default [ { <val-life> | infinite } { <perf-life> | infinite } [ [ no-autoconfig ] [ no-onlink ] [ no-rtr-address ] [ off-link ] ] | no-advertise ] } | { no ipv6 nd prefix default } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
prefix	IPv6 Prefix to advertise in RA
default	Specify prefix default parameters
<i>val-life</i>	(Optional) Valid Lifetime (secs)
infinite	(Optional) Infinite Valid Lifetime
no-advertise	(Optional) Do not advertise prefix
<i>perf-life</i>	(Optional) Preferred Lifetime (secs)
infinite	(Optional) Infinite Preferred Lifetime
no-autoconfig	(Optional) Do not use prefix for autoconfiguration
no-onlink	(Optional) Do not use prefix for onlink determination
no-rtr-address	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
off-link	(Optional) Prefix is offlink

Command Mode

- /exec/configure/if-igp

ipv6 nd ra-interval

```
ipv6 nd ra-interval <interval> [ min <min-interval> ] | no ipv6 nd ra-interval [ <interval> ] [ min <min-interval> ]
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra-interval	Interval between sending Router-Advertisement messages
<i>interval</i>	Interval in seconds
min	(Optional) Minimum interval between sending RA messages
<i>min-interval</i>	(Optional) Interval in seconds

Command Mode

- /exec/configure/if-igp

ipv6 nd ra-lifetime

```
{ { ipv6 nd ra-lifetime <lifetime> } | { no ipv6 nd ra-lifetime [ <lifetime> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra-lifetime	Sent in RA messages, Router Lifetime of a default router, 0 means this router will not be the default router
<i>lifetime</i>	Lifetime in seconds

Command Mode

- /exec/configure/if-igp

ipv6 nd ra bootfile-url

```
{ { ipv6 nd ra bootfile-url <url> } | { no ipv6 nd ra bootfile-url } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
bootfile-url	Set boot-file-url option
<i>url</i>	url for boot file

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns search-list sequence

[no] ipv6 nd ra dns search-list <dnssl> [{ <dnssl_life> | infinite }] sequence <seqno>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
<i>dnssl</i>	Configure DNS Search List to advertise in RA
<i>dnssl_life</i>	(Optional) Configure IPv6 DNS Search list life time
infinite	(Optional) Configure IPv6 DNS Search list life time with infinite
sequence	Sequence of Search List
<i>seqno</i>	Sequence number

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns search-list suppress

[no] ipv6 nd ra dns search-list suppress

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
suppress	Disable sending DNSSL in Router-Advertisement messages

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns server sequence

[no] ipv6 nd ra dns server <ipv6_addr> [{ <rdnss_life> | infinite }] sequence <seqno>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
<i>rdnss_life</i>	(Optional) Configure IPv6 DNS Server life time
infinite	(Optional) Configure IPv6 DNS Server life time with infinite
sequence	Sequence of Server
<i>seqno</i>	Sequence number

Command Mode

- /exec/configure/if-igp

ipv6 nd ra dns server suppress

[no] ipv6 nd ra dns server suppress

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
suppress	Disable sending RDNSS in Router-Advertisement messages

Command Mode

- /exec/configure/if-igp

ipv6 nd ra route suppress

[no] ipv6 nd ra route suppress

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
route	Route Information Option in RFC 4191
suppress	Disable sending Route Information Options in RA messages

Command Mode

- /exec/configure/if-igp

ipv6 nd raguard

[no] ipv6 nd raguard

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	Configure IPv6 ND
raguard	Configure RA guard

Command Mode

- /exec/configure/if-switching

ipv6 nd raguard

[no] ipv6 nd raguard [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>policy_name</i>	(Optional) policy name for ipv6 raguard

Command Mode

- /exec/configure/vlan-config

ipv6 nd raguard attach-policy

[no] ipv6 nd raguard attach-policy <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>policy_name</i>	policy name for feature RA guard

Command Mode

- /exec/configure/if-switching

ipv6 nd rguard policy

[no] ipv6 nd rguard policy <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>policy_name</i>	Name of the rguard policy

Command Mode

- /exec/configure

ipv6 nd reachable-time

```
{ { ipv6 nd reachable-time <time> } | { no ipv6 nd reachable-time [ <time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
reachable-time	Sent in RA messages, advertised time when a node considers a neighbor up after receiving a reachability confirmation
<i>time</i>	Time in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 nd retrans-timer

```
{ { ipv6 nd retrans-timer <time> } | { no ipv6 nd retrans-timer [ <time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
retrans-timer	Sent in RA messages, advertised time between NS messages
<i>time</i>	Time in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 nd route route-preference High Low Medium infinite

```
{ { ipv6 nd route <prefix> route-preference { High | Low | Medium } { <lifetime> | infinite } [ {
verify-reachability } ] } | { no ipv6 nd route { <prefix> | all } route-preference } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
route	Route Information Option in RFC 4191
route-preference	Route preference value
High	High router preference
Low	Low router preference
Medium	Medium router preference
<i>lifetime</i>	Lifetime (secs)
infinite	Infinite lifetime of prefix
verify-reachability	(Optional) Verify if route is present in Route table
all	Remove all the Router Preference prefixes

Command Mode

- /exec/configure/if-igp

ipv6 nd router-preference High Low Medium

{ { ipv6 nd router-preference { High | Low | Medium } } | { no ipv6 nd router-preference } }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
router-preference	Set default router preference value
High	High default router preference
Low	Low default router preference
Medium	Medium default router preference

Command Mode

- /exec/configure/if-igp

ipv6 nd solicit-na accept

```
{ ipv6 nd solicit-na { { accept [ no-probe | <interval> ] | [ no-accept ] } | { accept1 [ no-probe1 | <interval1> ] | [ no-accept1 ] } } } | { no ipv6 nd solicit-na }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
solicit-na	Solicited Neighbor Advertisemen
accept	Accept Solicit NA without incomplete entry
no-probe	(Optional) Do not probe, create a Reachable Entry
<i>interval</i>	(Optional) Probe Interval in Seconds
no-accept	(Optional) Do not accept Solicit NA without incomplete entry
accept1	Accept Solicit NA without incomplete entry
no-probe1	(Optional) Do not probe, create a Reachable Entry
<i>interval1</i>	(Optional) Probe Interval in Seconds
no-accept1	(Optional) Do not accept Solicit NA without incomplete entry

Command Mode

- /exec/configure

ipv6 nd suppress-ra

[no] ipv6 nd suppress-ra [mtu]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	ICMPv6 Neighbor Discovery commands
suppress-ra	Disable sending Router-Advertisement messages
mtu	(Optional) Disable sending MTU in Router-Advertisement messages

Command Mode

- /exec/configure/if-igp

ipv6 nd synchronize

[no] ipv6 nd synchronize

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	Display Neighbor Discovery interface information
synchronize	CFS synchronize

Command Mode

- /exec/configure/vpc-domain

ipv6 neighbor

[no] ipv6 neighbor <ipv6-addr> [<mac-addr>] | ipv6 neighbor <ipv6-addr> <mac-addr>

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
neighbor	Configure IPv6 address to layer-2 address mapping
<i>mac-addr</i>	(Optional) Layer-2 MAC address

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config /exec/configure/if-vlan-common

ipv6 neighbor allow-static-neighbor-outside-subnet

[no] ipv6 neighbor allow-static-neighbor-outside-subnet

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
neighbor	Configure IPv6 address to layer-2 address mapping
allow-static-neighbor-outside-subnet	Allow static neighbor outside interface subnet

Command Mode

- /exec/configure

ipv6 neighbor binding

```
[no] ipv6 neighbor binding { { vlan <vlanid> { <ipv6addr1> } } interface <intf> [ <mac-address> [ tracking
{ default | disable | enable [ retry-interval { default | <interval> } ] } ] [ reachable-lifetime { default | infinite
| <reach-secs> } ] ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>vlanid</i>	Number of entries
<i>intf</i>	Interface
<i>mac-address</i>	(Optional) 48-bit hardware address / <cr> for any mac address
<i>interval</i>	(Optional) seconds
<i>reach-secs</i>	(Optional) seconds

Command Mode

- /exec/configure

ipv6 neighbor binding

[no] ipv6 neighbor binding { { reachable-lifetime { infinite | <reach-secs> } } | { stale-lifetime { infinite | <stale-secs> } } } | { down-lifetime { infinite | <down-secs> } } } +

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>reach-secs</i>	Seconds
<i>stale-secs</i>	Seconds
<i>down-secs</i>	Seconds

Command Mode

- /exec/configure

ipv6 neighbor binding logging

[no] ipv6 neighbor binding logging

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features

Command Mode

- /exec/configure

ipv6 neighbor binding max-entries

```
{ ipv6 neighbor binding max-entries <box-lim> { [ vlan-limit <vlan-lim> ] | [ port-limit <port-lim> ] | [ mac-limit <mac-lim> ] } + | no ipv6 neighbor binding max-entries [ <box-lim> { [ vlan-limit <vlan-lim> ] | [ port-limit <port-lim> ] | [ mac-limit <mac-lim> ] } + ] }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>box-lim</i>	Number of entries
<i>vlan-lim</i>	(Optional) Number of entries
<i>port-lim</i>	(Optional) Number of entries
<i>mac-lim</i>	(Optional) Number of entries

Command Mode

- /exec/configure

ipv6 neighbor tracking

[no] ipv6 neighbor tracking [retry-interval <interval>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>interval</i>	(Optional) Seconds

Command Mode

- /exec/configure

ipv6 pim allow-rp

{ ipv6 pim allow-rp { <route-map-name> } | no ipv6 pim allow-rp [<route-map-name>] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
allow-rp	Sparse-Mode RP addresses to be allowed
<i>route-map-name</i>	Route-map name

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim anycast-rp

[no] ipv6 pim anycast-rp <anycast-rp> <rp-addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
anycast-rp	Configure an RP in an Anycast-RP set (using PIM6)

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim assert-rate-limit

```
{ { ipv6 pim assert-rate-limit <rate> } | { no ipv6 pim assert-rate-limit [ <rate> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
assert-rate-limit	Rate limit for PIM6 Asserts
<i>rate</i>	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim bidir-rp-limit

[no] ipv6 pim bidir-rp-limit <limit>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
bidir-rp-limit	Configures maximum Bidir RPs for IPv6 PIM in this VRF
<i>limit</i>	Set limit for Bidir RPs permitted in IPv6 PIM

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim border-router

[no] ipv6 pim border-router

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
border-router	Configures the interface to be a boundary of a PIM6-SM domain

Command Mode

- /exec/configure/if-igp

ipv6 pim border

[no] ipv6 pim border

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
border	Configures interface to be a boundary of a PIM6 domain

Command Mode

- /exec/configure/if-igp

ipv6 pim dr-priority

```
{ { ipv6 pim dr-priority <priority> } | { no ipv6 pim dr-priority [ <priority> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
dr-priority	Configures priority for PIM6 DR election on interface
<i>priority</i>	Priority value

Command Mode

- /exec/configure/if-igp

ipv6 pim evpn-border-leaf

[no] ipv6 pim evpn-border-leaf

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
evpn-border-leaf	Configure this node as a border leaf

Command Mode

- /exec/configure

ipv6 pim flush-routes

[no] ipv6 pim flush-routes

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
flush-routes	Remove routes when restarting PIM6

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim hello-interval

```
{ { ipv6 pim hello-interval <interval> } | { no ipv6 pim hello-interval [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
hello-interval	Configures the Hello interval for interface
<i>interval</i>	Interval in milliseconds

Command Mode

- /exec/configure/if-igp

ipv6 pim isolate

[no] ipv6 pim isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
isolate	Isolate this router from IPV6 PIM perspective

Command Mode

- /exec/configure

ipv6 pim log-neighbor-changes

[no] ipv6 pim log-neighbor-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
log-neighbor-changes	Log up/down PIM6 neighbor transitions

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim mtu

[no] ipv6 pim mtu <size>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
mtu	MTU for IP PIM6 packet
<i>size</i>	MTU

Command Mode

- /exec/configure

ipv6 pim passive

{ ipv6 pim passive | no ipv6 pim passive }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
passive	Interface in passive mode. No send/rcv

Command Mode

- /exec/configure/if-igp

ipv6 pim register-rate-limit

```
{ { ipv6 pim register-rate-limit <rate> } | { no ipv6 pim register-rate-limit [ <rate> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
register-rate-limit	Rate limit for PIM6 data registers
<i>rate</i>	Packets per second

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim rp-address

```
{ { ipv6 pim rp-address <rp-address> [ group-list <prefix> | route-map <route-map-name> | prefix-list
<prefix-list-name> ] [ bidir ] [ override ] } | { no ipv6 pim rp-address <rp-address> [ group-list <prefix> |
route-map <route-map-name> | prefix-list <prefix-list-name> ] [ bidir ] [ override ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
rp-address	Configure static RP for group range
group-list	(Optional) Group range for static RP
route-map	(Optional) Route Map policy for static RP
<i>route-map-name</i>	(Optional) Route-map name
prefix-list	(Optional) Prefix List policy for static RP
<i>prefix-list-name</i>	(Optional) Name of prefix-list
bidir	(Optional) Group range is treated in PIM6 bidirectional mode
override	(Optional) RP address will override the dynamically learnt RPs

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim sparse-mode

ipv6 pim sparse-mode | no ipv6 pim [sparse-mode]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM interface configuration commands
sparse-mode	Configures sparse-mode PIM6 on interface

Command Mode

- /exec/configure/if-igp

ipv6 pim spt-switch-graceful

[no] ipv6 pim spt-switch-graceful

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
spt-switch-graceful	Graceful switch-over to SPT

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 pim state-limit

```
{ { ipv6 pim state-limit <max-states> [ reserved <route-map-name> <max-reserved> ] } | { no ipv6 pim state-limit [ <max-states> [ reserved <route-map-name> <max-reserved> ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
pim	PIM6 global configuration commands
state-limit	Configures State limit
<i>max-states</i>	Maximum (*,G)/(S,G) entries allowed in this VRF
reserved	(Optional) Configures Reserved limit
<i>route-map-name</i>	(Optional) Route-map name
<i>max-reserved</i>	(Optional) Maximum reserved (*,G)/(S,G) entries allowed in this VRF

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 policy route-map

```
ipv6 policy route-map <route-map-name> | no ipv6 policy route-map [ <route-map-name> | <route-map-name> ]
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
policy	Configure PBR feature
route-map	Route-map for PBR
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-name</i>	(Optional) Known route-map name

Command Mode

- /exec/configure/if-igp /exec/configure/if-vni/

ipv6 port traffic-filter

[no] ipv6 port traffic-filter <acl-ipv6-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
port	Port policy
traffic-filter	Specify access control for packets
<i>acl-ipv6-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l2

ipv6 prefix-list description

{ ipv6 prefix-list <ipv6-pfl-name> description <line> } | { no ipv6 prefix-list <ipv6-pfl-name> description }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
prefix-list	Build a prefix list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name
description	Description of the IPv6 prefix list
<i>line</i>	IPv6 prefix-list description string

Command Mode

- /exec/configure

ipv6 prefix-list permit

```
{ ipv6 prefix-list <ipv6-pfl-name> [ seq <seq> ] { permit | deny } <prefix> { [ eq <equal> ] | [ ge <greater> ] [ le <lesser> ] } [ mask <mask> ] } | { no ipv6 prefix-list { <ipv6-pfl-name> | <ipv6-pfl-name> } [ seq <seq> ] [ { permit | deny } <prefix> { [ eq <equal> ] | [ ge <greater> ] [ le <lesser> ] } [ mask <mask> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
prefix-list	Build a prefix list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name
seq	(Optional) Sequence number of an entry
<i>seq</i>	(Optional) Sequence number
permit	Specify routes to forward
deny	Specify routes to reject
eq	(Optional) Exact prefix length to be matched
<i>equal</i>	(Optional) Exact prefix length
ge	(Optional) Minimum prefix length to be matched
<i>greater</i>	(Optional) Minimum prefix length
le	(Optional) Maximum prefix length to be matched
<i>lesser</i>	(Optional) Maximum prefix length
mask	(Optional) Explicit match mask

Command Mode

- /exec/configure

ipv6 queue-packets

[no] ipv6 queue-packets

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
queue-packets	Queue 1 packet when triggered NS is sent

Command Mode

- /exec/configure

ipv6 redirect syslog

ipv6 redirect syslog [<logInterval>] | no ipv6 redirect syslog

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
redirect	ipv6 redirect feature
syslog	syslog for ipv6 redirect
<i>logInterval</i>	(Optional) Syslog interval in seconds (default=60)

Command Mode

- /exec/configure

ipv6 redirects

ipv6 [nd] redirects | no ipv6 [nd] redirects

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
nd	(Optional) ICMPv6 Neighbor Discovery commands
redirects	Enable sending ICMPv6 Redirect messages

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-config

ipv6 route

```
[no] ipv6 route <ipv6-prefix> { <interface> | { { <link-local> <interface-link-local> } | { <pin-interface>
<next-hop> } | { <next-hop> | <nh-prefix> } | { <vlan-interface> } } [ vrf { <vrf-name> | <vrf-known-name>
} ] ] [ track <object-num> ] [ name <rt-name> ] [ <pref> | tag <tag-value> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
route	Configure IPv6 unicast static route
<i>interface</i>	Interface for interface static routes
<i>vlan-interface</i>	vlan interface
name	(Optional) Specify name of the next hop
<i>rt-name</i>	(Optional) Name of next hop
<i>pin-interface</i>	Pin interface
<i>interface-link-local</i>	Interface for interface static routes
track	(Optional) Specify the Object to be Tracked
<i>object-num</i>	(Optional) Track Object Number
vrf	(Optional) VRF for next-hop if different from this vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>pref</i>	(Optional) Route preference
tag	(Optional) Supply tag value with static route
<i>tag-value</i>	(Optional) 32-bit value for tag

Command Mode

- /exec/configure /exec/configure/vrf

ipv6 route static bfd

[no] ipv6 route static bfd <pin-interface> <next-hop>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IP features
route	Route information
static	Static route based configuration
bfd	Enable bfd detection on static route
<i>pin-interface</i>	Interface on which bfd has to be enabled

Command Mode

- /exec/configure /exec/configure/config-mgmt /exec/configure/vrf

ipv6 router isis

[no] ipv6 router isis <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
router	Enable a routing process
isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Process tag

Command Mode

- /exec/configure/if-igp

ipv6 router ospfv3 area

[no] ipv6 router ospfv3 <tag> area { <area-id-ip> | <area-id-int> } [secondaries none]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
router	Enable a routing process
ospfv3	OSPFv3 configuration commands
<i>tag</i>	Process tag
area	Area associated with interface
<i>area-id-ip</i>	OSPFv3 area ID in IP address format
<i>area-id-int</i>	OSPFv3 area ID as a decimal format
secondaries	(Optional) Do not include secondary IPv6 addresses
none	(Optional) Do not include secondary IPv6 addresses

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ipv6 router ospfv3 multi-area

[no] ipv6 router ospfv3 [<tag>] multi-area <area-id-ip>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
router	Enable a routing process
ospfv3	OSPFv3 configuration commands
<i>tag</i>	(Optional) Process tag
multi-area	Multi-Area associated with interface
<i>area-id-ip</i>	Area Id as an integer or ip address

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ipv6 routing multicast holddown

[no] { ipv6 } routing multicast holddown [<route-holddown-sec> | [disable-init-phase]]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Display IPv6 information
routing	Configure routing information
multicast	Configure multicast
holddown	Initial holddown period
<i>route-holddown-sec</i>	(Optional) Delay in seconds [70..3600], 0 to disable holddown
disable-init-phase	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ipv6 routing multicast mfdm-buffer-route-count

ipv6 routing multicast mfdm-buffer-route-count { <size> } | no ipv6 routing multicast mfdm-buffer-route-count [<size>]

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IP features
routing	Configure routing information
multicast	Configure multicast
mfdm-buffer-route-count	mfdm buffer route size
<i>size</i>	size in numbers

Command Mode

- /exec/configure

ipv6 routing multicast software-replicate

[no] ipv6 routing multicast software-replicate [iif] [fabric]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
routing	Configure routing information
multicast	Configure multicast
software-replicate	Enable software replication of PIM ASM leak packets
fabric	(Optional) Enable software replication to fabric
iif	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

ipv6 snooping

[no] ipv6 snooping [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>policy_name</i>	(Optional) policy name for ipv6 snooping

Command Mode

- /exec/configure/if-switching

ipv6 snooping

[no] ipv6 snooping [attach-policy <policy_name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>policy_name</i>	(Optional) policy name for ipv6 snooping

Command Mode

- /exec/configure/vlan-config

ipv6 snooping policy

[no] ipv6 snooping policy <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
<i>name</i>	Name of the snooping policy

Command Mode

- /exec/configure

ipv6 snooping unit-test bt-add vlan

```
{ ipv6 snooping unit-test bt-add vlan <vlanid>
```

Syntax Description

<code>ipv6</code>	Configure IPv6 features
<code>vlanid</code>	Number of entries

Command Mode

- /exec/configure

ipv6 switch-packets

[no] ipv6 switch-packets [lla]

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
switch-packets	Switch ND packets received on core ports
lla	(Optional) Switch ND packets targeted to Link local address on core ports

Command Mode

- /exec/configure

ipv6 traffic-filter

[no] ipv6 traffic-filter <acl-ipv6-name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
traffic-filter	Specify access control for packets
<i>acl-ipv6-name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l3

ipv6 unreachablees

[no] ipv6 [icmp] unreachablees

Syntax Description

no	(Optional) Negate a command or set its defaults
ipv6	Configure IPv6 features
icmp	(Optional) ICMPv6 commands
unreachablees	Enable sending ICMPv6 Unreachable messages (port-unreachablees are always rate-limit enabled)

Command Mode

- /exec/configure/if-igp

ipv6 verify unicast source reachable-via rx

[no] ipv6 verify unicast source reachable-via [{ rx [allow vni-hosts] | any [allow-default] }] | ipv6 verify unicast source reachable-via { rx [allow vni-hosts] | any [allow-default] }

Syntax Description

no	Negate a command or set its defaults
ipv6	Configure IPv6 features
verify	Unicast Reverse Path Forwarding
unicast	Unicast Reverse Path Forwarding
source	Validation of source address
reachable-via	Specify reachability check to apply to the source address
rx	(Optional) Source is reachable via interface on which packet was received
allow	(Optional) More options
vni-hosts	(Optional) Source is reachable via interface vlan
any	(Optional) Source is reachable via any interface
allow-default	(Optional) Loose Default Route Unicast Reverse Path Forwarding

Command Mode

- /exec/configure/if-igp

is-type

is-type <is-type> | no is-type [<is-type>]

Syntax Description

no	Negate a command or set its defaults
is-type	IS type for this IS-IS process
<i>is-type</i>	IS-IS IS type

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

ishow cli find nodes

ishow cli find nodes [<component>] [recurse]

Syntax Description

ishow	Show internal information
cli	Show CLI information
find	
nodes	display
<i>component</i>	(Optional) display
recurse	(Optional) go

Command Mode

- /exec

ishow cli modes

ishow cli modes

Syntax Description

ishow	Show internal information
cli	Show CLI information
modes	show

Command Mode

- /exec

ishow cli nodes

ishow cli nodes [<mode>]

Syntax Description

ishow	Show internal information
cli	Show CLI information
nodes	show
<i>mode</i>	(Optional) mode

Command Mode

- /exec

ishow cli paths

ishow cli paths <component> [<type>]

Syntax Description

ishow	Show internal information
cli	Show CLI information
paths	show
<i>component</i>	component
<i>type</i>	(Optional)

Command Mode

- /exec

ishow cli tags

ishow cli tags

Syntax Description

ishow	Show internal information
cli	Show CLI information
tags	

Command Mode

- /exec

ishow core backtrace

ishow core <pid> backtrace

Syntax Description

ishow	Show internal information
core	display info from core file
<i>pid</i>	PID from 'show cores
backtrace	display backtrace -- needs enough space to unzip the core file!

Command Mode

- /exec

isis authentication-check

[no] isis authentication-check

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos

Command Mode

- /exec/configure/if-igp

isis authentication-check level-1

[no] isis authentication-check level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos
level-1	Configure authentication check for level-1 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication-check level-2

[no] isis authentication-check level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos
level-2	Configure authentication check for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication-type cleartext

[no] isis authentication-type { cleartext | md5 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5

Command Mode

- /exec/configure/if-igp

isis authentication-type cleartext level-1

[no] isis authentication-type { cleartext | md5 } level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5
level-1	Specify authentication type for level-1 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication-type cleartext level-2

[no] isis authentication-type { cleartext | md5 } level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5
level-2	Specify authentication type for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis authentication key-chain

[no] isis authentication key-chain <auth-keychain>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
<i>auth-keychain</i>	authentication keychain

Command Mode

- /exec/configure/if-igp

isis authentication key-chain level-1

[no] isis authentication key-chain <auth-keychain> level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
<i>auth-keychain</i>	authentication keychain

Command Mode

- /exec/configure/if-igp

isis authentication key-chain level-2

[no] isis authentication key-chain <auth-keychain> level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
<i>auth-keychain</i>	authentication keychain

Command Mode

- /exec/configure/if-igp

isis bfd

[no] isis bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
bfd	Interface BFD configuration
disable	(Optional) Disable BFD on interface

Command Mode

- /exec/configure/if-igp

isis circuit-type

isis circuit-type <circuit-type> | no isis circuit-type [<circuit-type>]

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
circuit-type	Configure circuit type for interface
<i>circuit-type</i>	IS-IS circuit type
<i>isis</i>	

Command Mode

- /exec/configure/if-igp

isis csnp-interval level

[no] isis csnp-interval <sec> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
csnp-interval	Set CSNP interval in seconds
<i>sec</i>	CSNP interval value
level-1	Specify interval for level-1 CSNPs
level-2	Specify interval for level-2 CSNPs

Command Mode

- /exec/configure/if-igp

isis hello-interval

[no] isis hello-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
<i>sec</i>	Hello interval value

Command Mode

- /exec/configure/if-igp

isis hello-interval level

[no] isis hello-interval <sec> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
<i>sec</i>	Hello interval value
level-1	Specify hello-interval for level-1 IIHs
level-2	Specify hello-interval for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis hello-multiplier

[no] isis hello-multiplier <multi>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
<i>multi</i>	Hello multiplier value

Command Mode

- /exec/configure/if-igp

isis hello-multiplier level

[no] isis hello-multiplier <multi> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
<i>multi</i>	Hello multiplier value
level-1	Specify hello multiplier for level-1 IIHs
level-2	Specify hello multiplier for level-2 IIHs

Command Mode

- /exec/configure/if-igp

isis hello-padding

```
{ isis hello-padding | no isis hello-padding [ always ] }
```

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
hello-padding	Pad IS-IS hello PDUs to full MTU
always	(Optional) Pad every hello

Command Mode

- /exec/configure/if-igp

isis ipv6 bfd

[no] isis ipv6 bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
ipv6	Enable BFD for ipv6
bfd	Interface BFD configuration
disable	(Optional) Disable BFD on interface

Command Mode

- /exec/configure/if-igp

isis lsp-interval

[no] isis lsp-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
lsp-interval	Set LSP transmission interval
<i>msec</i>	LSP transmission interval (milliseconds)

Command Mode

- /exec/configure/if-igp

isis mesh-group

```
{ isis mesh-group { blocked | <mesh-id> } | no isis mesh-group [ { blocked | <mesh-id> } ] }
```

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
mesh-group	Set IS-IS mesh group
<i>mesh-id</i>	Mesh group number
blocked	Block LSPs on this interface

Command Mode

- /exec/configure/if-igp

isis metric level-1

[no] isis metric <metric> level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
metric	Configure the metric for interface
<i>metric</i>	Default metric
level-1	Apply metric to level-1 links

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

isis metric level-2

[no] isis metric <metric> level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
metric	Configure the metric for interface
<i>metric</i>	Default metric
level-2	Apply metric to level-2 links

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

isis mtu-check

[no] isis mtu-check

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
mtu-check	Check mtu on received hellos, if its padded

Command Mode

- /exec/configure/if-igp

isis mtu-check level-1

[no] isis mtu-check level-1

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
mtu-check	Check mtu on received hellos, if its padded
level-1	Configure mtu-check for level-1

Command Mode

- /exec/configure/if-igp

isis mtu-check level-2

[no] isis mtu-check level-2

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
mtu-check	Check mtu on received hellos, if its padded
level-2	Configure mtu-check for level-2

Command Mode

- /exec/configure/if-igp

isis network point-to-point

[no] isis network point-to-point [use-allIS-mac]

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
network	Change interface medium to p2p
point-to-point	Change interface medium to p2p
use-allIS-mac	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

isis passive-interface

isis passive-interface <level> | no isis passive-interface <level> | default isis passive-interface [<level_obsolete>]

Syntax Description

no	Negate a command or set its defaults
isis	IS-IS configuration commands
passive-interface	Suppress IS-IS PDU
default	Undo a command
<i>level</i>	Level to suppress
<i>level_obsolete</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-igp

isis prefix-attributes n-flag-clear

[no] isis prefix-attributes n-flag-clear

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
prefix-attributes	Segment routing attribute
n-flag-clear	Clear N flag for prefix

Command Mode

- /exec/configure/if-igp

isis priority level

[no] isis priority <priority> { level-1 | level-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
priority	Set priority for DIS election
<i>priority</i>	Priority value
level-1	Specify priority for level-1 routing
level-2	Specify priority for level-2 routing

Command Mode

- /exec/configure/if-igp

isis retransmit-interval

[no] isis retransmit-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
retransmit-interval	Set per-LSP retransmission interval
<i>sec</i>	Interval between retransmissions of the same LSP (seconds)

Command Mode

- /exec/configure/if-igp

isis retransmit-throttle-interval

[no] isis retransmit-throttle-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
retransmit-throttle-interval	Set interface LSP retransmission interval
<i>msec</i>	Delay between retransmitted LSPs (milliseconds)

Command Mode

- /exec/configure/if-igp

isis shutdown

[no] isis shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
shutdown	Graceful shutdown IS-IS functionality on the interface

Command Mode

- /exec/configure/if-igp

isis suppressed

[no] isis suppressed

Syntax Description

no	(Optional) Negate a command or set its defaults
isis	IS-IS configuration commands
suppressed	Do not advertise connected prefixes of this interface

Command Mode

- /exec/configure/if-igp

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from RIP perspective

Command Mode

- /exec/configure/router-rip

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate router, ISIS perspective (set overload)

Command Mode

- /exec/configure/router-isis

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from OSPFV3 perspective

Command Mode

- /exec/configure/router-ospf3

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from EIGRP perspective

Command Mode

- /exec/configure/router-eigrp

isolate

[no] isolate

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Isolate this router from OSPF perspective

Command Mode

- /exec/configure/router-ospf

isolate

[no] isolate [include-local | route-map <rmap-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
isolate	Withdraw remote BGP routes to isolate this router
include-local	(Optional) Withdraw both local and remote BGP routes
route-map	(Optional) Display routes matching the route-map
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp

itd

{ itd <service-name> } | { no itd <service-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
<i>service-name</i>	ITD service-name

Command Mode

- /exec/configure

itd device-group

```
{ itd device-group <svc-name> } | { no itd device-group <svc-name> }
```

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
device-group	ITD device group
<i>svc-name</i>	service-name

Command Mode

- /exec/configure

itd port-group

{ itd port-group <svc-name> } | { no itd port-group <svc-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
port-group	port group
<i>svc-name</i>	service-name

Command Mode

- /exec/configure

itd session access-list refresh

itd session access-list <acl-name> refresh

Syntax Description

itd	ITD service
session	ITD session
access-list	ITD include access-list
<i>acl-name</i>	acl-name
refresh	Refresh ITD policies based on access-list changes

Command Mode

- /exec/configure

itd session device-group

```
{ itd session device-group <svc-name> } | { no itd session device-group <svc-name> }
```

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
session	ITD session
device-group	ITD device group
<i>svc-name</i>	service-name

Command Mode

- /exec/configure

itd statistics

{ itd statistics <service-name> } | { no itd statistics <service-name> }

Syntax Description

no	Negate a command or set its defaults
itd	ITD service
statistics	ITD statistics
<i>service-name</i>	ITD service-name

Command Mode

- /exec/configure

itu channel

itu channel <itu_channel_val> | no itu channel [<itu_channel_val>]

Syntax Description

no	Negate a command or set its defaults
itu	Configure itu_channel for the DWDM SFP
channel	Configure itu_channel for the DWDM SFP
<i>itu_channel_val</i>	Enter itu channel

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base



J Commands

- [job name](#), on page 2724
- [json-pretty](#), on page 2725
- [json-pretty](#), on page 2726
- [json](#), on page 2727
- [json](#), on page 2728

job name

[no] job name <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
job	Assign a job to the schedule
name	Assign a job to the schedule
s0	Specify the job name

Command Mode

- /exec/configure/schedule

json-pretty

| json-pretty [native]

Syntax Description

	Pipe command output to filter
json-pretty	output in json pretty print format
native	(Optional) output in json format using native infra

Command Mode

- /output

json-pretty

| json-pretty [native]

Syntax Description

	Pipe command output to filter
json-pretty	output in json pretty print format
native	(Optional) output in json format using native infra

Command Mode

- /output

json

| json [native]

Syntax Description

	Pipe command output to filter
json	output in json format
native	(Optional) output in json format using native infra

Command Mode

- /output

json

| json [native]

Syntax Description

	Pipe command output to filter
json	output in json format
native	(Optional) output in json format using native infra

Command Mode

- /output



K Commands

- [key-chain macsec-psk no-show](#), on page 2730
- [key-chain tunnelencrypt-psk no-show](#), on page 2731
- [key-octet-string 6 cryptographic-algorithm AES_128_CMAC](#), on page 2732
- [key-octet-string 6 cryptographic-algorithm AES_256_CMAC](#), on page 2733
- [key-octet-string 7 cryptographic-algorithm AES_128_CMAC](#), on page 2734
- [key-octet-string 7 cryptographic-algorithm AES_128_CMAC](#), on page 2735
- [key-octet-string 7 cryptographic-algorithm AES_256_CMAC](#), on page 2736
- [key-octet-string 7 cryptographic-algorithm AES_256_CMAC](#), on page 2737
- [key-octet-string cryptographic-algorithm AES_128_CMAC](#), on page 2738
- [key-octet-string cryptographic-algorithm AES_128_CMAC](#), on page 2739
- [key-octet-string cryptographic-algorithm AES_256_CMAC](#), on page 2740
- [key-octet-string cryptographic-algorithm AES_256_CMAC](#), on page 2741
- [key-server-priority](#), on page 2742
- [key-string](#), on page 2743
- [key-string](#), on page 2744
- [key-string 6](#), on page 2745
- [key-string 6](#), on page 2746
- [key-string 7](#), on page 2747
- [key-string 7](#), on page 2748
- [key](#), on page 2749
- [key](#), on page 2750
- [key](#), on page 2751
- [key](#), on page 2752
- [key chain](#), on page 2753
- [key chain macsec](#), on page 2754
- [key chain tcp](#), on page 2755
- [key chain tunnel-encryption](#), on page 2756
- [keychain](#), on page 2757
- [kill background](#), on page 2758
- [kme server](#), on page 2759
- [kubernetes server ip-address port](#), on page 2760
- [kvfib file](#), on page 2761

key-chain macsec-psk no-show

[no] key-chain macsec-psk no-show

Syntax Description

no	(Optional) Negate a command or set its defaults
key-chain	Keychain Management
macsec-psk	Macsec Pre-shared key
no-show	do not show

Command Mode

- /exec/configure

key-chain tunnelencrypt-psk no-show

[no] key-chain tunnelencrypt-psk no-show

Syntax Description

no	(Optional) Negate a command or set its defaults
key-chain	Keychain Management
tunnelencrypt-psk	Tunnel-encryption Pre-shared key
no-show	do not show

Command Mode

- /exec/configure

key-octet-string 6 cryptographic-algorithm AES_128_CMAC

```
{ key-octet-string 6 <keystring> cryptographic-algorithm AES_128_CMAC }
```

Syntax Description

key-octet-string	Set key octet string
6	Encryption Type - Proprietary (type-6 encrypted)
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_128_CMAC	cryptographic-algorithm AES-128-CMAC

Command Mode

- /exec/configure/macseckeychain-key

key-octet-string 6 cryptographic-algorithm AES_256_CMAC

```
{ key-octet-string 6 <keystring> cryptographic-algorithm AES_256_CMAC }
```

Syntax Description

key-octet-string	Set key octet string
6	Encryption Type - Proprietary (type-6 encrypted)
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_256_CMAC	cryptographic-algorithm AES-256-CMAC

Command Mode

- /exec/configure/macseckeychain-key

key-octet-string 7 cryptographic-algorithm AES_128_CMAC

```
{ key-octet-string 7 <keystring> cryptographic-algorithm AES_128_CMAC }
```

Syntax Description

key-octet-string	Set key octet string
7	Encryption Type - Proprietary
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_128_CMAC	cryptographic-algorithm AES-128-CMAC

Command Mode

- /exec/configure/tunnelencryptkeychain-key

key-octet-string 7 cryptographic-algorithm AES_128_CMAC

```
{ key-octet-string 7 <keystring> cryptographic-algorithm AES_128_CMAC }
```

Syntax Description

key-octet-string	Set key octet string
7	Encryption Type - Proprietary
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_128_CMAC	cryptographic-algorithm AES-128-CMAC

Command Mode

- /exec/configure/macseckeychain-key

key-octet-string 7 cryptographic-algorithm AES_256_CMAC

```
{ key-octet-string 7 <keystring> cryptographic-algorithm AES_256_CMAC }
```

Syntax Description

key-octet-string	Set key octet string
7	Encryption Type - Proprietary
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_256_CMAC	cryptographic-algorithm AES-256-CMAC

Command Mode

- /exec/configure/macseckeychain-key

key-octet-string 7 cryptographic-algorithm AES_256_CMAC

```
{ key-octet-string 7 <keystring> cryptographic-algorithm AES_256_CMAC }
```

Syntax Description

key-octet-string	Set key octet string
7	Encryption Type - Proprietary
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_256_CMAC	cryptographic-algorithm AES-256-CMAC

Command Mode

- /exec/configure/tunnelcryptkeychain-key

key-octet-string cryptographic-algorithm AES_128_CMAC

```
{ key-octet-string [ 0 ] <keystring> cryptographic-algorithm AES_128_CMAC | no key-octet-string [ 0 ]
<keystring> cryptographic-algorithm AES_128_CMAC | no key-octet-string }
```

Syntax Description

no	Negate a command or set its defaults
key-octet-string	Set key octet string
0	(Optional) Encryption Type - No Encryption(default)
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_128_CMAC	cryptographic-algorithm AES-128-CMAC

Command Mode

- /exec/configure/tunnelencryptkeychain-key

key-octet-string cryptographic-algorithm AES_128_CMAC

```
{ key-octet-string [ 0 ] <keystring> cryptographic-algorithm AES_128_CMAC | no key-octet-string [ 0 ]
<keystring> cryptographic-algorithm AES_128_CMAC | no key-octet-string }
```

Syntax Description

no	Negate a command or set its defaults
key-octet-string	Set key octet string
0	(Optional) Encryption Type - No Encryption(default)
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_128_CMAC	cryptographic-algorithm AES-128-CMAC

Command Mode

- /exec/configure/macseckeychain-key

key-octet-string cryptographic-algorithm AES_256_CMAC

```
{ key-octet-string [ 0 ] <keystring> cryptographic-algorithm AES_256_CMAC | no key-octet-string [ 0 ]
<keystring> cryptographic-algorithm AES_256_CMAC | no key-octet-string }
```

Syntax Description

no	Negate a command or set its defaults
key-octet-string	Set key octet string
0	(Optional) Encryption Type - No Encryption(default)
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_256_CMAC	cryptographic-algorithm AES-256-CMAC

Command Mode

- /exec/configure/macseckeychain-key

key-octet-string cryptographic-algorithm AES_256_CMAC

```
{ key-octet-string [ 0 ] <keystring> cryptographic-algorithm AES_256_CMAC | no key-octet-string [ 0 ]
<keystring> cryptographic-algorithm AES_256_CMAC | no key-octet-string }
```

Syntax Description

no	Negate a command or set its defaults
key-octet-string	Set key octet string
0	(Optional) Encryption Type - No Encryption(default)
<i>keystring</i>	key octet string
cryptographic-algorithm	Select CMAC algorithm for authentication
AES_256_CMAC	cryptographic-algorithm AES-256-CMAC

Command Mode

- /exec/configure/tunnelencryptkeychain-key

key-server-priority

[no] key-server-priority <pri>

Syntax Description

key-server-priority	Configure Key-Server priority
<i>pri</i>	key-server priority value

Command Mode

- /exec/configure/masec-policy

key-string

{ key-string [0] <keystring> | no key-string }

Syntax Description

no	Negate a command or set its defaults
key-string	Set key string
0	(Optional) Encryption Type - No Encryption(default)
<i>keystring</i>	key string

Command Mode

- /exec/configure/tcpkeychain-key

key-string

{ key-string [0] <keystring> | no key-string }

Syntax Description

no	Negate a command or set its defaults
key-string	Set key string
0	(Optional) Encryption Type - No Encryption(default)
<i>keystring</i>	key string

Command Mode

- /exec/configure/keychain-key

key-string 6

```
{ key-string 6 <keystring> }
```

Syntax Description

key-string	Set key string
6	Encryption Type - Proprietary (type-6 encrypted)
<i>keystring</i>	key string

Command Mode

- /exec/configure/keychain-key

key-string 6

```
{ key-string 6 <keystring> }
```

Syntax Description

key-string	Set key string
6	Encryption Type - Proprietary (type-6 encrypted)
<i>keystring</i>	key string

Command Mode

- /exec/configure/tcpkeychain-key

key-string 7

```
{ key-string 7 <keystring> }
```

Syntax Description

key-string	Set key string
7	Encryption Type - Proprietary
<i>keystring</i>	key string

Command Mode

- /exec/configure/tcpkeychain-key

key-string 7

```
{ key-string 7 <keystring> }
```

Syntax Description

key-string	Set key string
7	Encryption Type - Proprietary
<i>keystring</i>	key string

Command Mode

- /exec/configure/keychain-key

key

[no] key <keyid>

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Configure a TCP-AO key
<i>keyid</i>	Key identifier

Command Mode

- /exec/configure/tcpkeychain

key

[no] key <keyid>

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Configure a key
<i>keyid</i>	Key identifier

Command Mode

- /exec/configure/keychain

key

[no] key <macsec_keyid>

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Configure a macsec key
<i>macsec_keyid</i>	MACsec Key identifier ranging from 1 octet to 32

Command Mode

- /exec/configure/macseckeychain

key

[no] key <tunnelencryption_keyid>

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Configure a tunnelencryption key
<i>tunnelencryption_keyid</i>	Tunnel-encryption Key identifier ranging from 1 octet to 32

Command Mode

- /exec/configure/tunnelencryptkeychain

key chain

[no] key chain <keychain>

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Key Management
chain	Keychain Management
<i>keychain</i>	key-chain name

Command Mode

- /exec/configure

key chain macsec

[no] key chain <keychain> macsec

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Key Management
chain	Keychain Management
<i>keychain</i>	macsec key-chain name
macsec	Macsec Keychain

Command Mode

- /exec/configure

key chain tcp

[no] key chain <keychain> tcp

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Key Management
chain	Keychain Management
<i>keychain</i>	key-chain name
tcp	TCP-AO Keychain

Command Mode

- /exec/configure

key chain tunnel-encryption

[no] key chain <keychain> tunnel-encryption

Syntax Description

no	(Optional) Negate a command or set its defaults
key	Key Management
chain	Keychain Management
<i>keychain</i>	tunnel-encryption key-chain name
tunnel-encryption	Tunnel-encryption Keychain

Command Mode

- /exec/configure

keychain

[no] [keychain <keychain_name> | pki] [policy <policy_name>]

Syntax Description

keychain	(Optional) Key Chain
<i>keychain_name</i>	(Optional) Name of keychain specified as a string
pki	(Optional) Peer pki config
policy	(Optional) policy
<i>policy_name</i>	(Optional) name of the policy specified as a string

Command Mode

- /exec/configure/tunenc-peer

kill background

kill background <pid>

Syntax Description

kill	terminate processes
background	kill background processes (started with 'source background <file>' command)
<i>pid</i>	background script to terminate, by process-id or just a regex matching any line from 'show background' command

Command Mode

- /exec

kme server

```
{ [ no ] kme server <hostname> { [ port <port-num> ] } }
```

Syntax Description

<code>kme</code>	Key Management Entity
<code>server</code>	Key Management Entity Server
<i>hostname</i>	IPV4 address or DNS name
<code>port</code>	(Optional) KME server port number
<i>port-num</i>	(Optional) port number for kme server

Command Mode

- /exec/configure/crypto-profile

kubernetes server ip-address port

[no] kubernetes server ip-address <ip-addr> port <s0> [vrf <vrf-name>] | no kubernetes server

Syntax Description

no	(Optional) Negate a command or set its defaults
kubernetes	kubernetes
server	kubernetes server
ip-address	IP address of the kubernetes host
<i>ip-addr</i>	ip address of kubernetes Host
port	Port number of the host
<i>s0</i>	port number
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name

Command Mode

- /exec/configure

kvfib file

kvfib file [debug <debug_flag>] [size <filesize>] [maxfiles <nfiles>] [recycle <recycle_flag>]

Syntax Description

kvfib	KVFIB
file	Write debugs to a file
debug	(Optional) file debug enable/disable
<i>debug_flag</i>	(Optional) 0 - disable, 1 - enable
size	(Optional) Specify max. size of debug file
<i>filesize</i>	(Optional) Debug file size in MBytes
maxfiles	(Optional) Specify max. number of debug files
<i>nfiles</i>	(Optional) Max. number of debug files to be created
recycle	(Optional) Recycle files when they become full
<i>recycle_flag</i>	(Optional) 0 - disable, 1 - enable

Command Mode

- /exec



L Commands

- [l2rib dup-host-mac-detection](#), on page 2772
- [l2rib dup-host-mac-recovery](#), on page 2773
- [l3 ethernet port](#), on page 2774
- [l3 port-channel port](#), on page 2775
- [label-allocation-mode per-vrf](#), on page 2776
- [label allocate global](#), on page 2777
- [lacp graceful-convergence](#), on page 2778
- [lacp max-bundle](#), on page 2779
- [lacp min-links](#), on page 2780
- [lacp mode delay](#), on page 2781
- [lacp mode delay](#), on page 2782
- [lacp port-number front-panel](#), on page 2783
- [lacp port-priority](#), on page 2784
- [lacp rate](#), on page 2785
- [lacp rate](#), on page 2786
- [lacp suspend-individual](#), on page 2787
- [lacp system-mac](#), on page 2788
- [lacp system-priority](#), on page 2789
- [lacp vpc-convergence](#), on page 2790
- [last](#), on page 2791
- [latency](#), on page 2792
- [latency](#), on page 2793
- [latency quantization](#), on page 2794
- [latency quantization](#), on page 2795
- [layer-2 multicast lookup mac](#), on page 2796
- [layer2-switched flow monitor input](#), on page 2797
- [layer2-switched flow monitor input](#), on page 2798
- [layer3 peer-router](#), on page 2799
- [layer3 peer-router syslog](#), on page 2800
- [lcmd push_to_klm address port vlan](#), on page 2801
- [ldap-search-map](#), on page 2802
- [ldap-search-map](#), on page 2803
- [ldap-server deadtime](#), on page 2804

- [ldap-server host](#), on page 2805
- [ldap-server host test rootDN](#), on page 2806
- [ldap-server timeout](#), on page 2807
- [ldap search-map](#), on page 2808
- [less](#), on page 2809
- [license smart clear eventlog](#), on page 2810
- [license smart custom_id](#), on page 2811
- [license smart factory reset](#), on page 2812
- [license smart import](#), on page 2813
- [license smart privacy](#), on page 2814
- [license smart proxy address](#), on page 2815
- [license smart save](#), on page 2816
- [license smart source-interface](#), on page 2817
- [license smart sync local](#), on page 2818
- [license smart transport](#), on page 2819
- [license smart trust idtoken local](#), on page 2820
- [license smart url smart](#), on page 2821
- [license smart usage interval](#), on page 2822
- [license smart vrf](#), on page 2823
- [limit-resource module-type](#), on page 2824
- [limit-resource monitor-session-erspan-dst minimum maximum equal-to-min](#), on page 2825
- [limit-resource monitor-session-inband-src minimum maximum equal-to-min](#), on page 2826
- [limit-resource monitor-session minimum maximum equal-to-min](#), on page 2827
- [limit-resource port-channel minimum maximum](#), on page 2828
- [limit-resource vlan minimum maximum equal-to-min](#), on page 2829
- [limit-resource vrf minimum maximum equal-to-min](#), on page 2830
- [limit address-count](#), on page 2831
- [line console](#), on page 2832
- [line console](#), on page 2833
- [line vty](#), on page 2834
- [link-bandwidth cumulative](#), on page 2835
- [link-flap error-disable count interval](#), on page 2836
- [link-level-flow-control watch-dog-interval on](#), on page 2837
- [link-state-trap](#), on page 2838
- [link active-jitter-management](#), on page 2839
- [link debounce](#), on page 2840
- [link dfe adaptive-tuning](#), on page 2841
- [link loopback](#), on page 2842
- [link mac-up timer](#), on page 2843
- [link max-bringup timer](#), on page 2844
- [link transmit reset-skip](#), on page 2845
- [lisp](#), on page 2846
- [lisp ddt](#), on page 2847
- [lisp ddt authoritative-prefix eid-prefix](#), on page 2848
- [lisp ddt delegate eid-prefix](#), on page 2849
- [lisp ddt map-server-peer eid-prefix](#), on page 2850

- lisp ddt root, on page 2851
- lisp dynamic-eid, on page 2852
- lisp dynamic-eid, on page 2853
- lisp explicit-locator-path, on page 2854
- lisp explicit-locator-path, on page 2855
- lisp extended-subnet-mode, on page 2856
- lisp geo-coordinates, on page 2857
- lisp instance-id, on page 2858
- lisp loc-reach-algorithm, on page 2859
- lisp merge-registrations site-id, on page 2860
- lisp mobility, on page 2861
- lisp mobility test-liveness, on page 2862
- lisp security, on page 2863
- lisp site, on page 2864
- lisp site, on page 2865
- lisp smr-locators, on page 2866
- lisp to, on page 2867
- listobject-boolean not, on page 2868
- listobject-weight weight threshold-weight, on page 2869
- listobject, on page 2870
- liveness-detection, on page 2871
- liveness-detection, on page 2872
- liveness-detection, on page 2873
- lldp, on page 2874
- lldp dcxb version auto, on page 2876
- lldp dcxb version cee, on page 2877
- lldp receive, on page 2878
- lldp tlv-select dcxbp egress, on page 2879
- lldp tlv-select management-address v4, on page 2880
- lldp tlv-set management-address, on page 2881
- lldp tlv-set management-address ipv6, on page 2882
- lldp tlv-set vlan, on page 2883
- lldp transmit, on page 2884
- load-balance, on page 2885
- load-balance, on page 2886
- load-balance, on page 2887
- load-balance egress filter-policy route-map, on page 2888
- load-balance egress multipath auto-policy route-map, on page 2889
- load-balance method, on page 2890
- load-interval, on page 2891
- load-interval, on page 2892
- load-interval counter, on page 2893
- load-interval counter, on page 2894
- load, on page 2895
- load, on page 2896
- load, on page 2897

- load configuration failed commit, on page 2898
- local-as, on page 2899
- local-as, on page 2900
- local-label prefix, on page 2901
- local-label prefix, on page 2902
- locator-led, on page 2903
- locator, on page 2904
- locator, on page 2905
- locator, on page 2906
- locator, on page 2907
- locators, on page 2908
- locators, on page 2909
- lockdown, on page 2910
- lockdown, on page 2911
- log-adjacency-changes, on page 2912
- log-adjacency-changes, on page 2913
- log-adjacency-changes, on page 2914
- log-adjacency-changes, on page 2915
- log-adjacency-changes, on page 2916
- log-neighbor-changes, on page 2917
- log-neighbor-changes, on page 2918
- log-neighbor-warnings, on page 2919
- logging, on page 2920
- logging abort, on page 2921
- logging console, on page 2922
- logging distribute, on page 2923
- logging drop threshold, on page 2924
- logging drop threshold, on page 2925
- logging event link enable, on page 2926
- logging event port link-status, on page 2927
- logging event port link-status, on page 2928
- logging event port link-status, on page 2929
- logging event port link-status default, on page 2930
- logging event port trunk-status, on page 2931
- logging event port trunk-status, on page 2932
- logging event port trunk-status default, on page 2933
- logging history, on page 2934
- logging level, on page 2935
- logging level, on page 2937
- logging level, on page 2938
- logging level, on page 2939
- logging level aaa, on page 2940
- logging level acl, on page 2941
- logging level aclmgr, on page 2942
- logging level adbm, on page 2943
- logging level adjmgr, on page 2944

- [logging level all](#), on page 2945
- [logging level amt](#), on page 2946
- [logging level app-hosting](#), on page 2947
- [logging level arp](#), on page 2948
- [logging level ascii-cfg](#), on page 2949
- [logging level assoc_mgr](#), on page 2950
- [logging level backup](#), on page 2951
- [logging level bfd](#), on page 2952
- [logging level bgp](#), on page 2953
- [logging level bloggerd](#), on page 2954
- [logging level bootvar](#), on page 2955
- [logging level callhome](#), on page 2956
- [logging level capability](#), on page 2957
- [logging level cdp](#), on page 2958
- [logging level cfs](#), on page 2959
- [logging level clis](#), on page 2960
- [logging level clk_mgr](#), on page 2961
- [logging level confcheck](#), on page 2962
- [logging level copp](#), on page 2963
- [logging level core-dmon](#), on page 2964
- [logging level cryptopqc](#), on page 2965
- [logging level cts](#), on page 2966
- [logging level device-alias](#), on page 2967
- [logging level dhclient](#), on page 2968
- [logging level dhcp_snoop](#), on page 2969
- [logging level diagclient](#), on page 2970
- [logging level diagmgr](#), on page 2971
- [logging level dot1x](#), on page 2972
- [logging level dpvm](#), on page 2973
- [logging level ecp](#), on page 2974
- [logging level eigrp](#), on page 2975
- [logging level eltm](#), on page 2976
- [logging level epbr](#), on page 2977
- [logging level epp](#), on page 2978
- [logging level ethpm](#), on page 2979
- [logging level ethpm link](#), on page 2980
- [logging level evb](#), on page 2981
- [logging level evmc](#), on page 2982
- [logging level evmed](#), on page 2983
- [logging level evms](#), on page 2984
- [logging level fabric forwarding](#), on page 2985
- [logging level fabricpath switch-id](#), on page 2986
- [logging level fc2d](#), on page 2987
- [logging level fcdomain](#), on page 2988
- [logging level fcns](#), on page 2989
- [logging level fcoe_mgr](#), on page 2990

- [logging level fcs, on page 2991](#)
- [logging level fdmi, on page 2992](#)
- [logging level feature-mgr, on page 2993](#)
- [logging level flogi, on page 2994](#)
- [logging level fs-daemon, on page 2995](#)
- [logging level fspf, on page 2996](#)
- [logging level fsync_mgr, on page 2997](#)
- [logging level gpixm, on page 2998](#)
- [logging level hardware-telemetry, on page 2999](#)
- [logging level hsrp, on page 3000](#)
- [logging level igmp, on page 3001](#)
- [logging level imp, on page 3002](#)
- [logging level interface-vlan, on page 3003](#)
- [logging level ip pim, on page 3004](#)
- [logging level ip sla responder, on page 3005](#)
- [logging level ip sla sender, on page 3006](#)
- [logging level ip sla twamp-server, on page 3007](#)
- [logging level ipconf, on page 3008](#)
- [logging level ipfib, on page 3009](#)
- [logging level ipqos, on page 3010](#)
- [logging level ipv6 mld, on page 3011](#)
- [logging level ipv6 pim, on page 3012](#)
- [logging level iscm, on page 3013](#)
- [logging level iscm, on page 3014](#)
- [logging level isis, on page 3015](#)
- [logging level l2fm, on page 3016](#)
- [logging level l2rib, on page 3017](#)
- [logging level l3vm, on page 3018](#)
- [logging level lacp, on page 3019](#)
- [logging level ldap, on page 3020](#)
- [logging level lem-mgr, on page 3021](#)
- [logging level lim, on page 3022](#)
- [logging level lisp, on page 3023](#)
- [logging level lldp, on page 3024](#)
- [logging level m2rib, on page 3025](#)
- [logging level mfdm, on page 3026](#)
- [logging level mfwd, on page 3027](#)
- [logging level mfwdv6, on page 3028](#)
- [logging level mmode, on page 3029](#)
- [logging level module, on page 3030](#)
- [logging level monitor, on page 3031](#)
- [logging level mpls manager, on page 3032](#)
- [logging level mpls static, on page 3033](#)
- [logging level mpls switching, on page 3034](#)
- [logging level msdp, on page 3035](#)
- [logging level mvsh, on page 3036](#)

- [logging level nat](#), on page 3037
- [logging level nbm](#), on page 3038
- [logging level netstack](#), on page 3039
- [logging level nfm](#), on page 3040
- [logging level nfm](#), on page 3041
- [logging level ngmvpn](#), on page 3042
- [logging level ngoam](#), on page 3043
- [logging level npv](#), on page 3044
- [logging level ntp](#), on page 3045
- [logging level nve](#), on page 3046
- [logging level nxsdk](#), on page 3047
- [logging level ofm](#), on page 3048
- [logging level ospf](#), on page 3049
- [logging level ospfv3](#), on page 3050
- [logging level pfstat](#), on page 3051
- [logging level pixm](#), on page 3052
- [logging level pktmgr](#), on page 3053
- [logging level platform](#), on page 3054
- [logging level plcmgr](#), on page 3055
- [logging level pltfm_config](#), on page 3056
- [logging level pltm](#), on page 3057
- [logging level plugin](#), on page 3058
- [logging level poed](#), on page 3059
- [logging level port-profile](#), on page 3060
- [logging level port-resources](#), on page 3061
- [logging level port-security](#), on page 3062
- [logging level port](#), on page 3063
- [logging level port link-failure](#), on page 3064
- [logging level private-vlan](#), on page 3065
- [logging level ptp](#), on page 3066
- [logging level radius](#), on page 3067
- [logging level rdl](#), on page 3068
- [logging level res_mgr](#), on page 3069
- [logging level rib](#), on page 3070
- [logging level rip](#), on page 3071
- [logging level rpm](#), on page 3072
- [logging level rscn](#), on page 3073
- [logging level sal](#), on page 3074
- [logging level scheduler](#), on page 3075
- [logging level scsi-target](#), on page 3076
- [logging level segment-routing](#), on page 3077
- [logging level session-mgr](#), on page 3078
- [logging level sflow](#), on page 3079
- [logging level smm](#), on page 3080
- [logging level snmpd](#), on page 3081
- [logging level snmpmib_proc](#), on page 3082

- [logging level spanning, on page 3083](#)
- [logging level spm, on page 3084](#)
- [logging level stripcl, on page 3085](#)
- [logging level syncc, on page 3086](#)
- [logging level sysmgr, on page 3087](#)
- [logging level tacacs, on page 3088](#)
- [logging level tamnw, on page 3089](#)
- [logging level telemetry, on page 3090](#)
- [logging level template_manager, on page 3091](#)
- [logging level tpmon, on page 3092](#)
- [logging level track, on page 3093](#)
- [logging level tunnel-encryption, on page 3094](#)
- [logging level tunnel, on page 3095](#)
- [logging level u2rib, on page 3096](#)
- [logging level u6rib, on page 3097](#)
- [logging level udld, on page 3098](#)
- [logging level ufdm, on page 3099](#)
- [logging level urib, on page 3100](#)
- [logging level vdc_mgr, on page 3101](#)
- [logging level virtual-service, on page 3102](#)
- [logging level vlan_mgr, on page 3103](#)
- [logging level vmm, on page 3104](#)
- [logging level vmtracker, on page 3105](#)
- [logging level vpc, on page 3106](#)
- [logging level vrrp, on page 3107](#)
- [logging level vrrpv3, on page 3108](#)
- [logging level vsan, on page 3109](#)
- [logging level vshd, on page 3110](#)
- [logging level vtp, on page 3111](#)
- [logging level wwnm, on page 3112](#)
- [logging level xbar, on page 3113](#)
- [logging level zone, on page 3114](#)
- [logging logfile, on page 3115](#)
- [logging message interface type ethernet, on page 3116](#)
- [logging module, on page 3117](#)
- [logging monitor, on page 3118](#)
- [logging origin-id, on page 3119](#)
- [logging rate-limit, on page 3120](#)
- [logging rfc-strict 5424, on page 3121](#)
- [logging secure oosp strict, on page 3122](#)
- [logging server, on page 3123](#)
- [logging server dns-refresh-interval, on page 3125](#)
- [logging source-interface, on page 3126](#)
- [logging timestamp, on page 3127](#)
- [login on-failure log, on page 3128](#)
- [login on-success log, on page 3129](#)

- [logout-warning](#), on page 3130
- [low-memory exempt](#), on page 3131
- [lshow](#), on page 3132
- [lsp-gen-interval](#), on page 3133
- [lsp-gen-interval](#), on page 3134
- [lsp-gen-interval](#), on page 3135
- [lsp-mtu](#), on page 3136
- [lsp-mtu](#), on page 3137
- [lsp-mtu](#), on page 3138
- [lsp](#), on page 3139
- [lsp](#), on page 3140

l2rib dup-host-mac-detection

{ no l2rib dup-host-mac-detection } | { l2rib dup-host-mac-detection <num-of-moves> <duration> }

Syntax Description

no	Negate a command or set its defaults
l2rib	Layer 2 routing information base
dup-host-mac-detection	Set Duplicate-Host-MAC-Detection parameters
<i>num-of-moves</i>	Number of host moves to be allowed
<i>duration</i>	Duplicate detection timeout in secs for host moves

Command Mode

- /exec/configure

l2rib dup-host-mac-recovery

{ no l2rib dup-host-mac-recovery } | { l2rib dup-host-mac-recovery <timeout> <retry-count> }

Syntax Description

no	Negate a command or set its defaults
l2rib	Layer 2 routing information base
dup-host-mac-recovery	Set Duplicate-Host-MAC-Recovery (Unfreeze) parameters
<i>timeout</i>	Unfreeze timeout (secs)
<i>retry-count</i>	Unfreeze retry count

Command Mode

- /exec/configure

l3 ethernet port

[no] l3 ethernet port <port-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
l3	Configure loop-detection on layer-3 interfaces
ethernet	Configure l3 loop-detection on ethernet interfaces
port	Enable l3 loop-detection on port
<i>port-range</i>	Enable interface for l3 loop detection

Command Mode

- /exec/configure/configngoamloopdetection

l3 port-channel port

[no] l3 port-channel port <port-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
l3	Configure loop-detection on layer-3 interfaces
port-channel	Configure l3 loop-detection on port-channel interfaces
port	Enable l3 loop-detection on port
<i>port-range</i>	Enable interface for l3 loop detection

Command Mode

- /exec/configure/configngoamloopdetection

label-allocation-mode per-vrf

[no] label-allocation-mode per-vrf

Syntax Description

no	(Optional) Negate a command or set its defaults
label-allocation-mode	Configure label allocation mode
per-vrf	per VRF label allocation mode

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

label allocate global

[no] label allocate global { all-routes | host-routes | prefix-list <pfx-list> }

Syntax Description

no	(Optional) Negate a command or set its defaults
label	LDP label configuration
allocate	Allocate local labels
global	Specify default VPN Routing/Forwarding instance
all-routes	Allocate local labels for all routes
host-routes	Allocate local labels for host routes only (default)
prefix-list	Specify a prefix-list for local label filtering
<i>pfx-list</i>	IP prefix-list for destination prefixes

Command Mode

- /exec/configure/ldp

lACP graceful-convergence

lACP graceful-convergence | no lACP graceful-convergence

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
graceful-convergence	Configure port-channel lACP graceful convergence. Disable this only with lACP ports connected to Non-Nexus peer. Disabling this with Nexus peer can lead to port suspension

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

lACP max-bundle

lACP max-bundle <max-bundle-number> | no lACP max-bundle [<max-bundle-number>]

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
max-bundle	Configure the port-channel max-bundle
<i>max-bundle-number</i>	Enter the max-bundle number

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel
/exec/configure/if-eth-port-channel-p2p

lACP min-links

lACP min-links <min-links-number> | no lACP min-links [<min-links-number>]

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
min-links	Configure the port-channel min-links
<i>min-links-number</i>	Enter the min-link number

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

lacp mode delay

[no] lacp mode delay

Syntax Description

no	(Optional) Negate a command or set its defaults
lacp	Set LACP parameters for the interface
mode	Enter the LACP mode
delay	Configure delayed lacp on the port-channel

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel
/exec/configure/if-eth-port-channel-p2p

lACP mode delay

[no] lACP mode delay

Syntax Description

no	(Optional) Negate a command or set its defaults
lACP	Set LACP parameters for the interface
mode	Enter the LACP mode
delay	Configure delayed lACP on the port-channel

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel
/exec/configure/if-eth-port-channel-p2p

lacp port-number front-panel

lacp port-number front-panel | no lacp port-number front-panel

Syntax Description

no	Negate a command or set its defaults
lacp	Set LACP parameters for the interface
port-number	Configure port-number in LACP port-channels
front-panel	Configure front panel based port numbering for LACP port-channels

Command Mode

- /exec/configure

lacp port-priority

lacp port-priority <port-pri> | no lacp port-priority

Syntax Description

no	Negate a command or set its defaults
lacp	Set LACP parameters for the interface
port-priority	Set LACP port priority
<i>port-pri</i>	Enter port priority

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

lACP rate

[no] lACP rate

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
rate	Configure rate at which PDUs are sent by LACP

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-ethernet-m /exec/configure/if-ethernet-switch-m /exec/configure/if-remote-ethernet /exec/configure/if-remote-ethernet-switch

lacp rate

lacp rate <rate_type>

Syntax Description

lacp	Set LACP parameters for the interface
rate	Configure rate at which PDUs are sent by LACP
<i>rate_type</i>	Rate type

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-ethernet-m /exec/configure/if-ethernet-switch-m /exec/configure/if-remote-ethernet
/exec/configure/if-remote-ethernet-switch

lacp suspend-individual

lacp suspend-individual [pxe [<pxe-timeout>]] | no lacp suspend-individual [pxe [<pxe-timeout>]]

Syntax Description

no	Negate a command or set its defaults
lacp	Set LACP parameters for the interface
suspend-individual	Configure lacp port-channel state. Disabling this will cause lacp to put the port to individual state and not suspend the port in case it does not get LACP BPDU from the peer ports in the port-channel
pxe	(Optional) Disabling this would cause lacp to put only one port to individual state in case it does not get LACP BPDU from the peer port in the port-channel
<i>pxe-timeout</i>	(Optional) PXE timeout value in seconds (default 10 seconds)

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel
/exec/configure/if-eth-port-channel-p2p

lACP system-mac

lACP system-mac <mac-address> [role <role>] | no lACP system-mac

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
system-mac	Configure the MAC address to be used for the LACP Protocol exchanges
<i>mac-address</i>	MAC-address(FORMAT :xxxx.xxxx.xxxx)
role	(Optional) Configure the role for this Switch
<i>role</i>	(Optional) Role played by the Switch

Command Mode

- /exec/configure

lACP system-priority

lACP system-priority <sys-pri> | no lACP system-priority

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
system-priority	Set LACP system priority
<i>sys-pri</i>	Enter System Priority

Command Mode

- /exec/configure

lACP vPC-convergence

lACP vPC-convergence | no lACP vPC-convergence

Syntax Description

no	Negate a command or set its defaults
lACP	Set LACP parameters for the interface
vPC-convergence	Enable lACP convergence for vPC port channels.

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel
/exec/configure/if-eth-port-channel-p2p

last

| last [<lines>]

Syntax Description

	Pipe command output to filter
last	Display last lines
<i>lines</i>	(Optional) number of lines to print

Command Mode

- /output

latency

{ [no] latency <lat> | no latency }

Syntax Description

latency	Provide the latency value for this POSTCARD queue_profile
<i>lat</i>	queue_profile latency (nano seconds). Default is 2048 ns

Command Mode

- /exec/configure/config-postcard-q-prof

latency

{ [no] latency <lat> | no latency }

Syntax Description

latency	Provide the latency value for this INT queue_profile
<i>lat</i>	queue_profile latency (nano seconds). Default is 2048 ns

Command Mode

- /exec/configure/config-int-q-prof

latency quantization

{ [no] latency quantization <lat> | no latency quantization }

Syntax Description

latency	Provide the latency value for this INT flow-profile
quantization	Provide the latency value for this INT flow-profile
<i>lat</i>	flow-profile latency quantization. This value will be converted to a power of 2 (nanoseconds). For example, value of 11 will be converted to 2 power 11 which is 2048. This means that if the difference between ingress timestamp and egress timestamp is more than 2048 nanosec at any point in the path, one upstream report or local report will be generated per flow. The allowed values are in range 0-28 Default is 11.

Command Mode

- /exec/configure/config-int-flow-prof

latency quantization

{ [no] latency quantization <lat> | no latency quantization }

Syntax Description

latency	Provide the latency value for this POSTCARD flow-profile
quantization	Provide the latency value for this POSTCARD flow-profile
<i>lat</i>	flow-profile latency quantization. This value will be converted to a power of 2 (nanoseconds). For example, value of 11 will be converted to 2 power 11 which is 2048. This means that if the difference between ingress timestamp and egress timestamp is more than 2048 nanosec at any postcard in the path, one upstream report or local report will be generated per flow. The allowed values are in range 0-28. Default is 11.

Command Mode

- /exec/configure/config-postcard-flow-prof

layer-2 multicast lookup mac

[no] layer-2 multicast lookup mac

Syntax Description

no	(Optional) Negate a command or set its defaults
layer-2	set layer2 multicast lkup mode
multicast	set layer2 multicast lkup mode
lookup	lkup type can be either mac or ip based
mac	set mac based multicast lkup mode

Command Mode

- /exec/configure/vlan-config /exec/configure/bdomain

layer2-switched flow monitor input

[no] layer2-switched flow monitor <monitorname> { input | output }

Syntax Description

layer2-switched	Configure L2 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic
output	Apply Flow Monitor on output traffic

Command Mode

- /exec/configure/if-veth /exec/configure/if-veth-all /exec/configure/if-vethernet /exec/configure/if-veth-any

layer2-switched flow monitor input

[no] layer2-switched flow monitor <monitorname> { input | output }

Syntax Description

layer2-switched	Configure L2 features
flow	NetFlow related commands
monitor	Apply a Flow Monitor to this interface
<i>monitorname</i>	Name of Flow Monitor
input	Apply Flow Monitor on input traffic
output	Apply Flow Monitor on output traffic

Command Mode

- /exec/configure/if-switching

layer3 peer-router

layer3 peer-router | no layer3 peer-router

Syntax Description

no	Negate a command or set its defaults
layer3	Enable layer 3 functionality
peer-router	no change for TTL of packets destined to the peer

Command Mode

- /exec/configure/vpc-domain

layer3 peer-router syslog

layer3 peer-router syslog [interval <syslog-interval>] | no layer3 peer-router syslog

Syntax Description

no	Negate a command or set its defaults
layer3	Enable layer 3 functionality
peer-router	no change for TTL of packets destined to the peer
syslog	print layer 3 protocol syslog
interval	(Optional) how frequent to print the syslog
<i>syslog-interval</i>	(Optional) how many seconds to print a syslog

Command Mode

- /exec/configure/vpc-domain

lcmd push_to_klm address port vlan

lcmd push_to_klm address <macaddr> port <portnum> vlan <vlanid>

Syntax Description

lcmd	LCND configuration
push_to_klm	Push MAC address to auth_db
address	MAC address
<i>macaddr</i>	MAC address
port	Port number
<i>portnum</i>	Port number
vlan	VLAN id
<i>vlanid</i>	VLAN id

Command Mode

- /exec/configure

ldap-search-map

ldap-search-map <s0>

Syntax Description

ldap-search-map	Set one of the configured search-map as active
<i>s0</i>	Name of the search-map

Command Mode

- /exec/configure/ldap

ldap-search-map

[no] ldap-search-map

Syntax Description

no	Negate a command or set its defaults
ldap-search-map	Set one of the configured search-map as active

Command Mode

- /exec/configure/ldap

ldap-server deadtime

[no] ldap-server deadtime <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
ldap-server	Configure LDAP related parameters
deadtime	Global LDAP server deadtime period in seconds
<i>i0</i>	LDAP server deadtime period in minutes (default 0 mins -disabled)

Command Mode

- /exec/configure

ldap-server host

```
[no] ldap-server host { <hostipname> } [ { enable-ssl | port <i1> [ timeout <i2> ] | rootDN <s0> [ password { 7 <s1> | <s2> } ] [ port1 <i3> ] [ timeout1 <i4> ] | timeout2 <i5> | referral-disable } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ldap-server	Configure LDAP related parameters
host	LDAP server's DNS name or IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
enable-ssl	(Optional) LDAP server enable ssl
port	(Optional) LDAP server's port (default: global config)
<i>i1</i>	(Optional) port number
timeout	(Optional) LDAP server timeout period in seconds
<i>i2</i>	(Optional) LDAP server timeout in seconds (default: global config)
rootDN	(Optional) LDAP server root DN
<i>s0</i>	(Optional) root DN
password	(Optional) LDAP server root password
7	(Optional) LDAP root password (encrypted)
<i>s1</i>	(Optional) password (encrypted)
<i>s2</i>	(Optional) password (clear text)
port1	(Optional) LDAP server's port (default: global config)
<i>i3</i>	(Optional) port number
timeout1	(Optional) LDAP server timeout period in seconds
<i>i4</i>	(Optional) LDAP server timeout in seconds (default: global config)
timeout2	(Optional) LDAP server timeout period in seconds
<i>i5</i>	(Optional) LDAP server timeout in seconds (default: global config)
referral-disable	(Optional) LDAP server disable referrals

Command Mode

- /exec/configure

ldap-server host test rootDN

```
[no] ldap-server host { <hostipname> } test rootDN <r1> { { [ username <s0> { [ password { [ 7 <s2> | <s1> ] } [ idle-time <i1> ] ] | [ idle-time <i1> ] } ] } | { [ password { [ 7 <s2> | <s1> ] } [ idle-time <i1> ] ] } | { [ idle-time <i1> ] } }
```

Syntax Description

<i>username</i>	(Optional) <s0>
no	(Optional) Negate a command or set its defaults
ldap-server	Configure LDAP related parameters
host	LDAP server's IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
test	Parameters to send test packets
7	(Optional) LDAP test password (encrypted)
<i>s0</i>	(Optional) user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) test password
<i>s2</i>	(Optional) test password (encrypted)
rootDN	rootDN in test packets
<i>r1</i>	root DN
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

ldap-server timeout

[no] ldap-server timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
ldap-server	Configure LDAP related parameters
timeout	Global LDAP server timeout period in seconds
<i>i0</i>	LDAP server timeout period in seconds (default 5 sec)

Command Mode

- /exec/configure

ldap search-map

[no] ldap search-map <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
ldap	Configure information about ldap
search-map	Configure the search-map
s0	Search Map Name

Command Mode

- /exec/configure

less

| less [-d | -E] +

Syntax Description

	Pipe command output to filter
less	Filter for paging
-d	(Optional) dumb terminal
-E	(Optional) quit at end of file

Command Mode

- /output

license smart clear eventlog

license smart clear eventlog

Syntax Description

license	License related command
smart	Smart license related commands
clear	Clear
eventlog	Event log

Command Mode

- /exec

license smart custom_id

license smart custom_id <s0> | no license smart custom_id

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related commands
custom_id	Identifier to be added in utility RUM Report.
s0	Provide identifier

Command Mode

- /exec/configure

license smart factory reset

license smart factory reset

Syntax Description

license	License related command
smart	Smart license related commands
factory	Smart license factory command
reset	Reset smart command

Command Mode

- /exec

license smart import

license smart import <file>

Syntax Description

license	License related command
smart	Smart license related commands
import	Import or install authorization codes, policies, trust codes or ack from file
<i>file</i>	Specify URL for the file

Command Mode

- /exec

license smart privacy

[no] license smart privacy { all | hostname | version }

Syntax Description

no	(Optional) Negate a command or set its defaults
license	License related command
smart	Smart license related commands
privacy	Set internal data privacy
hostname	Apply privacy setting for hostname
version	Apply privacy setting for SA version
all	Apply privacy setting for all data types

Command Mode

- /exec/configure

license smart proxy address

license smart proxy { address <proxyadd> | port <proxyport> } | no license smart proxy { address | port }

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related commands
proxy	Proxy related commands
address	The IP address or the hostname
<i>proxyadd</i>	Address/Hostname
port	The port
<i>proxyport</i>	Proxy port

Command Mode

- /exec/configure

license smart save

license smart save { usage { all | days <n> | unreported | rum-Id <rum_id> } <file> | trust-request <file> }

Syntax Description

license	License related command
smart	Smart license related commands
save	Save RUM reports / trust request to a file offline
usage	Save RUM reports
all	Save all RUM reports
days	Save RUM reports for the last number of <days> specified
unreported	Save RUM reports not previously saved in file or sent
rum-Id	Save an individual RUM report
<i>rum_id</i>	RUM ID
trust-request	Generate trust request to save it a file
<i>n</i>	Specify number of days
<i>file</i>	Specify URL for the file

Command Mode

- /exec

license smart source-interface

license smart source-interface <src-intf> | no license smart source-interface

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related commands
source-interface	Select source interface
<i>src-intf</i>	Specify interface

Command Mode

- /exec/configure

license smart sync local

license smart sync { local | all }

Syntax Description

license	License related command
smart	Smart license related commands
sync	Send any unsent RUM reports to the CSLU, controller REST endpoint or CSSM
local	Get codes for the current UDI
all	Get codes for all devices in HA config

Command Mode

- /exec

license smart transport

license smart transport { callhome | smart | cslu | off } | no license smart transport

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related commands
transport	set transport mode
callhome	Set the transport mode to callhome
smart	Set the transport mode to smart
cslu	Set the transport mode to cslu
off	Set the transport mode to off

Command Mode

- /exec/configure

license smart trust idtoken local

license smart trust idtoken <s0> { local | all } [force]

Syntax Description

license	License related command
smart	Smart license related commands
trust	Establish trust with backend
idtoken	Use Trust Token to establish trust
s0	Provide id token received from backend
local	Establish trust with backend for Active SUP
all	Establish trust with backend for all SUPs
force	(Optional) Force backend to re-establish trust

Command Mode

- /exec

license smart url smart

license smart url { smart | cslu } <url> | no license smart url { smart | cslu }

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related command
url	Set the transport url
smart	Set smart transport url
cslu	Set CSLU URL
<i>url</i>	Provide http or https url, example1: http://site.com/services/callserv example2: https://site2.com/serv/CALL

Command Mode

- /exec/configure

license smart usage interval

license smart usage interval <i0> | no license smart usage interval

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related commands
usage	RUM reports
interval	Day for periodic RUM reports sending
<i>i0</i>	Reporting interval in days. Default 30 days

Command Mode

- /exec/configure

license smart vrf

license smart vrf { <vrf_name> | <vrf-known-name> } | no license smart vrf

Syntax Description

no	Negate a command or set its defaults
license	License related command
smart	Smart license related commands
vrf	Configure vrf name
<i>vrf_name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure

limit-resource module-type

{ limit-resource module-type <card-type> + } | { no limit-resource module-type }

Syntax Description

no	Negate a command or set its defaults
limit-resource	Resource configuration
module-type	Controls which type of modules are allowed in this vdc
<i>card-type</i>	Allowed module types

Command Mode

- /exec/configure/vdc

limit-resource monitor-session-erspan-dst minimum maximum equal-to-min

```
{ limit-resource monitor-session-erspan-dst minimum <min-val> maximum { <max-val> | equal-to-min } }
| { no limit-resource monitor-session-erspan-dst [ minimum <min-val> maximum { <max-val> | equal-to-min
} ] }
```

Syntax Description

limit-resource	Resource configuration
monitor-session-erspan-dst	Monitor erspan destination session
minimum	minimum monitor erspan-dst session to allocate
<i>min-val</i>	minimum monitor erspan-dst session value
maximum	maximum monitor erspan-dst session to allocate
<i>max-val</i>	maximum monitor erspan-dst session value
equal-to-min	set maximum value equal to min

Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

limit-resource monitor-session-inband-src minimum maximum equal-to-min

```
{ limit-resource monitor-session-inband-src minimum <min-val> maximum { <max-val> | equal-to-min } }
| { no limit-resource monitor-session-inband-src [ minimum <min-val> maximum { <max-val> | equal-to-min
} ] }
```

Syntax Description

limit-resource	Resource configuration
monitor-session-inband-src	Monitor inband source
minimum	minimum monitor inband source to allocate
<i>min-val</i>	minimum monitor inband source value
maximum	maximum monitor inband source to allocate
<i>max-val</i>	maximum monitor inband source value
equal-to-min	set maximum value equal to min

Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

limit-resource monitor-session minimum maximum equal-to-min

```
{ limit-resource monitor-session minimum <min-val> maximum { <max-val> | equal-to-min } } | { no
limit-resource monitor-session [ minimum <min-val> maximum { <max-val> | equal-to-min } ] }
```

Syntax Description

limit-resource	Resource configuration
monitor-session	Monitor local/erspan-source session
minimum	minimum monitor local session to allocate
<i>min-val</i>	minimum monitor local session value
maximum	maximum monitor local session to allocate
<i>max-val</i>	maximum monitor local session value
equal-to-min	set maximum value equal to min

Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

limit-resource port-channel minimum maximum

limit-resource port-channel minimum <min-val> maximum { <max-val> | equal-to-min } | no limit-resource port-channel [minimum <min-val> maximum { <max-val> | equal-to-min }]

Syntax Description

no	Negate a command or set its defaults
limit-resource	Resource configuration
port-channel	set port-channel limits
minimum	minimum port-channels to allocate
<i>min-val</i>	
maximum	maximum port-channels to allocate
<i>max-val</i>	
equal-to-min	set maximum value equal to min

Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

limit-resource vlan minimum maximum equal-to-min

{ limit-resource vlan minimum <min-val> maximum { <max-val> | equal-to-min } } | { no limit-resource vlan [minimum <min-val> maximum { <max-val> | equal-to-min }] }

Syntax Description

no	Negate a command or set its defaults
limit-resource	Resource configuration
vlan	set VLAN limits
minimum	minimum VLANs to allocate
<i>min-val</i>	minimum VLANs value
maximum	maximum VLANs to allocate
<i>max-val</i>	maximum VLANs value
equal-to-min	set maximum value equal to min

Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

limit-resource vrf minimum maximum equal-to-min

```
{ limit-resource vrf minimum <number1> maximum { <number2> | equal-to-min } } | { no limit-resource vrf [ minimum <number1> maximum { <number2> | equal-to-min } ] }
```

Syntax Description

no	Negate a command or set its defaults
limit-resource	Resource configuration
vrf	set vrf resource limits
minimum	minimum vrf resources to allocate
<i>number1</i>	minimum vrf resource value
maximum	maximum vrf resources to allocate
<i>number2</i>	maximum vrf resource value, 4097 is a reserved value, do not use
equal-to-min	set maximum value equal to min

Command Mode

- /exec/configure/vdc-template /exec/configure/vdc

limit address-count

[no] limit address-count <addr_count>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>addr_count</i>	maximum value

Command Mode

- /exec/configure/config-snoop-policy

line console

[no] line console

Syntax Description

no	(Optional) Negate a command or set its defaults
line	Configure a terminal line
console	Primary terminal line

Command Mode

- /exec/configure

line console

[no] line console

Syntax Description

no	(Optional) Negate a command or set its defaults
line	Configure a terminal line
console	Primary terminal line

Command Mode

- /exec/configure

line vty

line vty

Syntax Description

line	Configure a terminal line
vty	Virtual terminal line

Command Mode

- /exec/configure

link-bandwidth cumulative

[no | default] link-bandwidth cumulative

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
link-bandwidth	Advertise dmz-link-bandwidth extended community to this neighbor
cumulative	Sum of bandwidth of all multi-paths

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv4
- /exec/configure/router-bgp/router-bgp-vrf-neighbor/router-bgp-vrf-neighbor-af-ipv6

link-flap error-disable count interval

{ link-flap error-disable count <count> interval <interval> | no link-flap error-disable }

Syntax Description

no	Negate a command or set its defaults
link-flap	Configure actions on link-flap
error-disable	Configure the port to error-disable on link-flap
count	Configure the number of link-flaps to trigger the action
<i>count</i>	Specify the number of link-flaps for action
interval	Configure the interval to trigger the action
<i>interval</i>	link-flap interval in seconds

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link-level-flow-control watch-dog-interval on

[no] link-level-flow-control watch-dog-interval { on | off }

Syntax Description

no	(Optional) Negate the command
link-level-flow-control	Enable/Disable LLFC
watch-dog-interval	Watch dog interval
on	Enable LLFC watch-dog interval globally
off	Disable LLFC watch-dog interval globally

Command Mode

- /exec/configure

link-state-trap

[no] link-state-trap

Syntax Description

no	(Optional) Negate a command or set its defaults
link-state-trap	Enable/disable link state change traps

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-fcip
/exec/configure/if-iscsi

link active-jitter-management

{ link active-jitter-management | no link active-jitter-management }

Syntax Description

no	Negate a command or set its defaults
link	Configure link
active-jitter-management	Enable/Disable jitter management on link

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link debounce

```
link debounce { [ link-up [ time <time_val_link_up> ] ] | [ time <time_val> ] } | no link debounce [ link-up ]
```

Syntax Description

no	Negate a command or set its defaults
link	Configure link
debounce	Configure link debounce timer
link-up	(Optional) Timer for the link-up event
time	(Optional) Link debounce time
<i>time_val</i>	(Optional) Timer value (in milliseconds)
<i>time_val_link_up</i>	(Optional) Timer value (in milliseconds)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link dfe adaptive-tuning

{ link dfe adaptive-tuning | no link dfe adaptive-tuning }

Syntax Description

no	Negate a command or set its defaults
link	Configure link
dfe	Decision Feedback Equalizer
adaptive-tuning	Configure DFE adaptive tuning for interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link loopback

{ link loopback | no link loopback }

Syntax Description

no	Negate a command or set its defaults
link	configure link
loopback	configure the port to be in a loopback mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link mac-up timer

{ link mac-up timer <mac_up_timer_val> | no link mac-up timer }

Syntax Description

no	Negate a command or set its defaults
link	Configure link
mac-up	Configure link mac-up timer
timer	Link mac-up time
<i>mac_up_timer_val</i>	Timer value (in seconds)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link max-bringup timer

```
{ link max-bringup timer <max_bringup_timer_val_max> | no link max-bringup timer }
```

Syntax Description

no	Negate a command or set its defaults
link	Configure link
max-bringup	Configure link max-bringup timer maximum
timer	Link max-bringup timer maximum
<i>max_bringup_timer_val_max</i>	Timer value (in seconds)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

link transmit reset-skip

{ link transmit reset-skip | no link transmit reset-skip }

Syntax Description

no	Negate a command or set its defaults
link	Configure link
transmit	Configure link transmit for interface
reset-skip	Configure link transmit for interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

lisp

```
{ lisp-lig | lig } { version | self | self6 | <hostname> | { <eid> | <eid6> } } [ source { <seid> | <seid6> } ] [ to
{ <mr-hostname> | { <mr> | <mr6> } } ] [ count <count> ] [ probe ] [ vrf { <vrf-name> | <vrf-known-name>
} ]
```

Syntax Description

lisp-lig	LISP Internet Groper
lig	LISP Internet Groper
<i>eid</i>	LIG on a IPv4 Endpoint ID (EID)
version	Display Internet Draft version lig supports
self	Test if IPv4 EID-prefix registered in mapping database
self6	Test if IPv6 EID-prefix registered in mapping database
<i>hostname</i>	DNS name for Endpoint ID (EID)
source	(Optional) Provide source EID for Map-Request
<i>seid</i>	(Optional) Source IPv4 Endpoint ID (EID)
to	(Optional) Where to send the Map-Request
<i>mr-hostname</i>	(Optional) DNS name for Map-Resolver
<i>mr</i>	(Optional) Map-Resolver IPv4 address to send Map-Request to
count	(Optional) Map-Requests to send before Map-Reply returned
<i>count</i>	(Optional) Number of Map-Requests
probe	(Optional) RLOC-probe each locator
vrf	(Optional) LIGing for specific VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

lisp ddt

{ [no] lisp ddt }

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
ddt	Configures a LISP-DDT mapping system functionality

Command Mode

- /exec/configure /exec/configure/vrf

lisp ddt authoritative-prefix eid-prefix

```
{ [ no ] lisp ddt authoritative-prefix eid-prefix { <eid-prefix> | <eid-prefix6> } } | { [ no ] lisp ddt
authoritative-prefix instance-id <iid> [ eid-prefix { <eid-prefix> | <eid-prefix6> } ] } | { [ no ] lisp ddt
authoritative-prefix <star> } | { [ no ] lisp ddt authoritative-prefix instance-id { <iidp> | <range> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
ddt	Configure LISP-DDT parameters
authoritative-prefix	Configure EID-prefix this LISP-DDT node is authoritative for
instance-id	Instance ID of VPN for EID-prefix
<i>iid</i>	Instance-ID value
star	Authoritative prefix on root for all address space
<i>iidp</i>	Instance-ID in prefix format
<i>range</i>	Instance-ID range in 'x-y' format where y > x
eid-prefix	Authoritative IPv4 or IPv6 EID-prefix
<i>eid-prefix</i>	EID-prefix in IPv4 slash format

Command Mode

- /exec/configure /exec/configure/vrf

lisp ddt delegate eid-prefix

```
{ [ no ] lisp ddt delegate { <node> | <node6> } { eid-prefix { <eid-prefix> | <eid-prefix6> } } [ priority <priority> weight <weight> ] [ public-key <key> ] [ map-server ] } | { [ no ] lisp ddt delegate { <node> | <node6> } instance-id <iid> [ eid-prefix { <eid-prefix> | <eid-prefix6> } } [ priority <priority> weight <weight> ] [ public-key <key> ] [ map-server ] } | { [ no ] lisp ddt delegate { <node> | <node6> } instance-id { <iidp> | <range> } [ priority <priority> weight <weight> ] [ public-key <key> ] [ map-server ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
ddt	Configure LISP-DDT parameters
delegate	Configure LISP-DDT child in delegation hierarchy
<i>node</i>	IPv4 locator address of DDT node
instance-id	Instance ID of VPN for EID-prefix
<i>iid</i>	Instance-ID value
<i>iidp</i>	Instance-ID in prefix format
<i>range</i>	Instance-ID range in 'x-y' format where y > x
eid-prefix	Child delegation for IPv4 or IPv6 EID-prefix
<i>eid-prefix</i>	EID-prefix in IPv4 slash format
priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>priority</i>	(Optional) Lower priority Locator takes preference
weight	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>weight</i>	(Optional) Specified in a percentage from 0 to 100
map-server	(Optional) Child delegate is a Map-Server
public-key	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>key</i>	(Optional) RSA public-key

Command Mode

- /exec/configure /exec/configure/vrf

lisp ddt map-server-peer eid-prefix

```
{ [ no ] lisp ddt map-server-peer { <node> | <node6> } { eid-prefix { <eid-prefix> | <eid-prefix6> } } [ priority <priority> weight <weight> ] [ public-key <key> ] } | { [ no ] lisp ddt map-server-peer { <node> | <node6> } instance-id <iid> [ eid-prefix { <eid-prefix> | <eid-prefix6> } ] [ priority <priority> weight <weight> ] [ public-key <key> ] } | { [ no ] lisp ddt map-server-peer { <node> | <node6> } instance-id { <iidp> | <range> } [ priority <priority> weight <weight> ] [ public-key <key> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
ddt	Configure LISP-DDT parameters
map-server-peer	Configure other map-server peers
<i>node</i>	IPv4 locator address of DDT node
instance-id	Instance ID of VPN for EID-prefix
<i>iid</i>	Instance-ID value
<i>iidp</i>	Instance-ID in prefix format
<i>range</i>	Instance-ID range in 'x-y' format where y > x
eid-prefix	Child delegation for IPv4 or IPv6 EID-prefix
<i>eid-prefix</i>	EID-prefix in IPv4 slash format
priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>priority</i>	(Optional) Lower priority Locator takes preference
weight	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>weight</i>	(Optional) Specified in a percentage from 0 to 100
public-key	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>key</i>	(Optional) RSA public-key

Command Mode

- /exec/configure /exec/configure/vrf

lisp ddt root

[no] lisp ddt root { <root> | <root6> } [public-key <key>]

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
ddt	Configure LISP-DDT parameters
root	Configure LISP-DDT root of tree in Map-Resolver
<i>root</i>	IPv4 locator address of DDT root
public-key	(Optional) DDT root's public key used to verify signed Map-Referrals
<i>key</i>	(Optional) RSA public-key

Command Mode

- /exec/configure /exec/configure/vrf

lisp dynamic-eid

```
{ [ no ] lisp dynamic-eid <dyn-eid-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
dynamic-eid	Configure dynamic-EIDs for roaming
<i>dyn-eid-name</i>	Name your dynamic-EID

Command Mode

- /exec/configure

lisp dynamic-eid

```
{ [ no ] lisp dynamic-eid <dyn-eid-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
dynamic-eid	Configure dynamic-EIDs for roaming
<i>dyn-eid-name</i>	Name your dynamic-EID

Command Mode

- /exec/configure/vrf

lisp explicit-locator-path

[no] lisp explicit-locator-path <elp-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
explicit-locator-path	Configures a LISP Explicit Locator Path (ELP)
<i>elp-name</i>	Name of LISP ELP

Command Mode

- /exec/configure/vrf

lisp explicit-locator-path

```
{ [ no ] lisp explicit-locator-path <elp-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
explicit-locator-path	Configures a LISP Explicit Locator Path (ELP)
<i>elp-name</i>	Name of LISP ELP

Command Mode

- /exec/configure

lisp extended-subnet-mode

{ [no] lisp extended-subnet-mode }

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP interface configuration commands
extended-subnet-mode	Create dynamic-EID state when EIDs reside on their home subnet

Command Mode

- /exec/configure/if-igp

lisp geo-coordinates

[no] lisp geo-coordinates <latitude> <longitude> [<altitude>]

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
geo-coordinates	Configure Geo Coordinates for this router
<i>latitude</i>	Latitude in DMS format: 'degree-min-sec-N' or 'degree-min-sec-S'
<i>longitude</i>	Longitude in DMS format: 'degree-min-sec-E' or 'degree-min-sec-W' format
<i>altitude</i>	(Optional) Altitude in meters above sea-level

Command Mode

- /exec/configure /exec/configure/vrf

lisp instance-id

[no] lisp instance-id <iid>

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
instance-id	Configures Instance-ID for global data-mappings
<i>iid</i>	24-bit instance-ID value

Command Mode

- /exec/configure /exec/configure/vrf

lisp loc-reach-algorithm

```
[no] lisp loc-reach-algorithm { count-tcp | echo-nonce | { rloc-probing [ map-request-on-failure ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
loc-reach-algorithm	Configure locator reachability algorithm
count-tcp	Count TCP SYNs and ACKs
echo-nonce	Request for nonce to echo back in data-plane
rloc-probing	Probe each high-priority RLOC with Map-Request as last resort
map-request-on-failure	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure /exec/configure/vrf

lisp merge-registrations site-id

[no] lisp merge-registrations site-id <site-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
merge-registrations	ETRs merge registrations from Map-Notify messages
site-id	Configure site-id value for each xTR at site
<i>site-id</i>	Site-ID to group xTRs together

Command Mode

- /exec/configure /exec/configure/vrf

lisp mobility

[no] lisp mobility <dyn-eid-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP interface configuration commands
mobility	Configures to allow EID mobility on interface
<i>dyn-eid-name</i>	Name of the dynamic-EID to use

Command Mode

- /exec/configure/if-igp

lisp mobility test-liveness

[no] lisp mobility test-liveness

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP interface configuration commands
mobility	Configures to allow EID mobility on interface
test-liveness	Ping discovered dyn-eid hosts on this interface periodically to determine host liveness

Command Mode

- /exec/configure/if-igp

lisp security

[no] lisp security [strong]

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
security	Configure LISP-SEC on ITR or PITR
strong	(Optional) Reject Map-Replies without LISP-SEC signatures included

Command Mode

- /exec/configure /exec/configure/vrf

lisp site

```
{ [ no ] lisp site <site-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
site	Configures LISP sites in a map-server
<i>site-name</i>	Name your LISP site

Command Mode

- /exec/configure/vrf

lisp site

```
{ [ no ] lisp site <site-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
site	Configures LISP sites in a map-server
<i>site-name</i>	Name your LISP site

Command Mode

- /exec/configure

lisp smr-locators

[no] lisp smr-locators

Syntax Description

no	(Optional) Negate a command or set its defaults
lisp	LISP global configuration commands
smr-locators	Send SMR to all RLOCs in locator-set for map-cache entry

Command Mode

- /exec/configure

lisp to

```
{ lisp-rig | rig } [ instance-id <iid> ] { <hostname> | { <eid> | <eid6> } } to { <ddt-hostname> | { <ddt> | <ddt6> } }
```

Syntax Description

<code>lisp-rig</code>	LISP-DDT Referral Internet Groper
<code>rig</code>	LISP-DDT Referral Internet Groper
<code>instance-id</code>	(Optional) Instance-ID of VPN EID resides in
<code>iid</code>	(Optional) 24-bit instance-ID value
<code>eid</code>	RIG on a IPv4 Endpoint ID (EID)
<code>hostname</code>	DNS name for Endpoint ID (EID)
<code>to</code>	Where to send the Map-Request
<code>ddt-hostname</code>	DNS name for DDT-node
<code>ddt</code>	DDT-node IPv4 address to send Map-Request to

Command Mode

- /exec

listobject-boolean not

listobject-boolean <obj-id> not

Syntax Description

listobject-boolean	Configure Object as member of tracking list
<i>obj-id</i>	Tracked object
not	Negate Up status

Command Mode

- /exec/configure/tr-list-bool

listobject-weight weight threshold-weight

```
listobject-weight { <obj-id> weight <weight-val> } | threshold-weight { weight-thresh { weightup <up-weight>
[ weightdown <down-weight> ] | weightdown <down-weight> [ weightup <up-weight> ] } } | no
threshold-weight weight-thresh
```

Syntax Description

no	Negate a command or set its defaults
listobject-weight	Configure Object as member of tracking list
<i>obj-id</i>	Tracked Object
weight	Assign a weight to object
<i>weight-val</i>	Assign a weight to object
threshold-weight	Threshold parameters
weight-thresh	Weight threshold
weightup	Up threshold
<i>up-weight</i>	Up threshold weight
weightdown	(Optional) Down threshold
<i>down-weight</i>	(Optional) Down threshold weight

Command Mode

- /exec/configure/tr-list-thrw

listobject

[no] listobject <obj-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
listobject	Configure Object as member of tracking list
<i>obj-id</i>	Tracked Object

Command Mode

- /exec/configure/tr-list-thrw /exec/configure/tr-list-thrp /exec/configure/tr-list-bool

liveness-detection

[no] liveness-detection

Syntax Description

no	(Optional) Negate a command or set its defaults
liveness-detection	Configure color specific liveness detection related configurations

Command Mode

- /exec/configure/sr/te/pol

liveness-detection

[no] liveness-detection

Syntax Description

no	(Optional) Negate a command or set its defaults
liveness-detection	Configure Traffic Engineering Segment Routing liveness detection related configurations

Command Mode

- /exec/configure/sr/te

liveness-detection

[no] liveness-detection

Syntax Description

no	(Optional) Negate a command or set its defaults
liveness-detection	Configure color specific liveness detection related configurations

Command Mode

- /exec/configure/sr/te/color

lldp

```
[no] lldp { holdtime <i0> | reinit <i1> | timer <i2> | portid-subtype <i3> | tlv-select { management-address |
port-description | port-vlan | power-management | system-capabilities | system-description | system-name |
dcbxp | four-wire-power-management | port { max-framesize | vlan-name | link-aggregation } } | port-channel
| multi-neighbor | chassis-id switch }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure global LLDP parameters
holdtime	Specify the holdtime (in sec) to be sent in packets
<i>i0</i>	holdtime in sec
reinit	Delay (in sec) for LLDP initialisation on any interface
<i>i1</i>	reinit in sec
timer	Specify the rate at which LLDP packets are sent (in sec)
<i>i2</i>	rate of packets in sec
portid-subtype	config portid subtype for LLDP TLV and SNMP MIBs
<i>i3</i>	0: long interface name (default), 1: short interface name
tlv-select	Selection of LLDP to send
management-address	Management Address TLV
port-description	Port Description TLV
port-vlan	Port Vlan ID TLV
power-management	IEEE 802.3 DTE Power via MDI TLV
system-capabilities	System Capabilities TLV
system-description	System Description TLV
system-name	System Name TLV
dcbxp	DCBXP TLVs
four-wire-power-management	Cisco 4-wire Power via MDI TLV
port	Organization specific port TLVs
max-framesize	Port Maximum Frame Size TLV
vlan-name	Port Vlan Name TLV

link-aggregation	Port Link Aggregation TLV
port-channel	Enable LLDP on Port-channel
multi-neighbor	Enable multiple LLDP neighbors per interface
chassis-id	Device ID to advertise (Default is MAC of the port)
switch	Advertise MAC of the switch

Command Mode

- /exec/configure

lldp dcbx version auto

lldp dcbx version auto

Syntax Description

lldp	Configure LLDP parameters
dcbx	Configure DCBX parameters
version	Change the DCBX protocol version
auto	Auto-detect the DCBX version

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

lldp dcbx version cee

[no] lldp dcbx version { cee | ieee }

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure LLDP parameters
dcbx	Configure DCBX parameters
version	Change the DCBX protocol version
cee	The CEE version of DCBX
ieee	The IEEE 802.1 version of DCBX

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

lldp receive

[no] lldp receive

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure Interface LLDP parameters
receive	Enable LLDP reception on interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether /exec/configure/if-vethernet /exec/configure/if-veth-any /exec/configure/if-veth-all /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-switch

lldp tlv-select dcbxp egress

[no] lldp tlv-select dcbxp { egress-queuing }

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure global LLDP parameters
tlv-select	Selection of LLDP to send
dcbxp	DCBXP TLVs
egress-queuing	DCBXP TLV egress queuing

Command Mode

- /exec/configure

lldp tlv-select management-address v4

[no] lldp tlv-select management-address { v4 | v6 }

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure global LLDP parameters
tlv-select	Selection of LLDP to send
management-address	Management Address TLV
v4	Management Address TLV v4
v6	Management Address TLV v6

Command Mode

- /exec/configure

lldp tlv-set management-address

[no] lldp tlv-set management-address <ip-addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure Interface LLDP parameters
tlv-set	LLDP TLV configuration for interface
management-address	Management address to be sent in management-tlv of LLDPDU.
<i>ip-addr</i>	IP address in dotted decimal format i.i.i.i

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

lldp tlv-set management-address ipv6

[no] lldp tlv-set management-address <ipv6-addr> ipv6

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure Interface LLDP parameters
tlv-set	LLDP TLV configuration for interface
management-address	Management address to be sent in management-tlv of LLDPDU.
ipv6	IPV6

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

lldp tlv-set vlan

[no] lldp tlv-set vlan [<vlan-id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure Interface LLDP parameters
tlv-set	LLDP TLV configuration for interface
vlan	VLAN-id whose SVI IP address should be used as management address in management-tlv of LLDPDU. Default is native VLAN.
<i>vlan-id</i>	(Optional) vlan-id within range of 1-4094

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

lldp transmit

[no] lldp transmit

Syntax Description

no	(Optional) Negate a command or set its defaults
lldp	Configure Interface LLDP parameters
transmit	Enable LLDP transmission on interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether /exec/configure/if-vethernet /exec/configure/if-veth-any /exec/configure/if-veth-all /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-switch

load-balance

[no] load-balance { { { method <lb-method> } | { buckets <buckets> } | { mask-position <mpos> } } + }

Syntax Description

no	(Optional) Negate a command or set its defaults
load-balance	Loadbalance options for this match
method	Loadbalance method
<i>lb-method</i>	Loadbalance method options
buckets	Buckets for traffic distribution - this should be in powers of 2
<i>buckets</i>	Loadbalance bucket count
mask-position	Loadbalance mask position
<i>mpos</i>	Loadbalance mask position number range 0-31 for IPv4 and 0-127 for IPv6

Command Mode

- /exec/configure/epbr-policy/action

load-balance

```
[no] load-balance { { { method <lb-method> } | { buckets <buckets> } | { mask-position <mpos> } } + }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
load-balance	Loadbalance options for this match
method	Loadbalance method
<i>lb-method</i>	Loadbalance method options
buckets	Buckets for traffic distribution - this should be in powers of 2
<i>buckets</i>	Loadbalance bucket count
mask-position	Loadbalance mask position
<i>mpos</i>	Loadbalance mask position number range 0-31 for IPv4 and 0-127 for IPv6

Command Mode

- /exec/configure/epbr-sess-policy/action

load-balance

```
[no] load-balance { { method { src { ip | ip-l4port <src-protocol> range <src-x> <src-y> } | dst { ip-dst | ip-l4port <dst-protocol> range <dst-x> <dst-y> } } | { buckets <num> } | { mask-position <mask> } | { least-bit } } + }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
load-balance	ITD Loadbalance
method	ITD Loadbalance method
src	Source based parameters
dst	Destination based parameters
ip	IP
ip-l4port	IP and L4 port
<i>src-protocol</i>	Protocol
range	Match only packets in the range of port numbers
<i>src-x</i>	
<i>src-y</i>	
ip-dst	IP
<i>dst-protocol</i>	Protocol
<i>dst-x</i>	
<i>dst-y</i>	
buckets	Used to create the buckets for traffic distribution, and it should be in powers of 2
<i>num</i>	Loadbalance bucket number
mask-position	Loadbalance mask position
<i>mask</i>	Loadbalance mask position number range 0-31 for IPv4 and 0-127 for IPv6
least-bit	Craft load-balancing masks beginning at the least significant bits

Command Mode

- /exec/configure/itd

load-balance egress filter-policy route-map

[no] load-balance egress filter-policy route-map <rmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
load-balance	Enable load-balance functionality applied to routes in the underlay
egress	Enable load-balance functionality during egress to routes in the underlay
filter-policy	Restricting the egress load-balance logic to specific routes matching the route-map
route-map	Apply route-map to filter the routes
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

load-balance egress multipath auto-policy route-map

[no] load-balance egress multipath auto-policy route-map <rmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
load-balance	Enable load-balancing functionality applied to routes in the underlay (default VRF)
egress	Enable load-balance functionality during egress to routes in the underlay
multipath	Apply multipath rules to specific routes
auto-policy	Apply auto multipath rules to specific routes
route-map	Apply route-map auto multipath rules to specific routes
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

load-balance method

[no] load-balance method <lb-method>

Syntax Description

no	(Optional) Negate a command or set its defaults
load-balance	Loadbalance options for this match
method	Loadbalance method
<i>lb-method</i>	Loadbalance method options

Command Mode

- /exec/configure/config-epbr-svc-chain /exec/configure/config-epbr-svc-chain/seq

load-interval

load-interval <interval> | no load-interval [<interval1>]

Syntax Description

no	Negate a command or set its defaults
load-interval	Specify interval for load calculation for an interface
<i>interval</i>	Load interval delay in seconds
<i>intervall</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

load-interval

load-interval <interval> | no load-interval [<interval1>]

Syntax Description

no	Negate a command or set its defaults
load-interval	Specify interval for load calculation for an interface
<i>interval</i>	Load interval delay in seconds
<i>interval1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-vlan-common

load-interval counter

load-interval counter <counter_val> <interval> | no load-interval counter <counter_val> [<interval1>]

Syntax Description

no	Negate a command or set its defaults
load-interval	Specify interval for load calculation for an interface
counter	Specify counter for this load interval
<i>interval</i>	Load interval delay in seconds
<i>counter_val</i>	Specify counter for this load interval
<i>interval1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-vlan-common

load-interval counter

load-interval counter <counter_val> <interval> | no load-interval counter <counter_val> [<interval1>]

Syntax Description

no	Negate a command or set its defaults
load-interval	Specify interval for load calculation for an interface
counter	Specify counter for this load interval
<i>counter_val</i>	Specify counter for this load interval
<i>interval</i>	Load interval delay in seconds
<i>interval1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

load

load <uri0>

Syntax Description

load	Load system image
<i>uri0</i>	Enter image URI

Command Mode

- /exec

load

load <uri0> [<s0>]

Syntax Description

load	Load system image
<i>uri0</i>	Enter image URI
<i>s0</i>	(Optional) Options

Command Mode

- /exec

load

load <uri0> [<s0>]

Syntax Description

load	Load system image
<i>uri0</i>	Enter image URI
<i>s0</i>	(Optional) Options

Command Mode

- /exec

load configuration failed commit

load configuration failed commit

Syntax Description

load	Load the configuration
configuration	Contents of configuration
failed	Load failed configuration
commit	Failed configuration from last commit

Command Mode

- /exec/configure

local-as

local-as <asn> | no local-as [<asn>]

Syntax Description

no	Negate a command or set its defaults
local-as	Specify the local-as for this vrf
<i>asn</i>	AS number

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

local-as

```
{ local-as <asn> [ no-prepend [ replace-as [ dual-as ] ] ] } | { { no | default } local-as [ <asn> ] }
```

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
local-as	Specify the local-as number for the eBGP neighbor
<i>asn</i>	Autonomous System Number
no-prepend	(Optional) Do not prepend the local-as number to updates from the eBGP neighbor
replace-as	(Optional) Prepend only the local-as number to updates to eBGP neighbor
dual-as	(Optional) Connect using either the local-as number or the real as

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

local-label prefix

```
[no] { [ vrf { <vrf-name> | <vrf-known-name> } ] local-label <static-inlabel> prefix { <ipv6-prefix-mask> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local-label	Configure local label assignment and forwarding
<i>static-inlabel</i>	Label Value
prefix	For a given prefix

Command Mode

- /exec/configure/mpls_static/ipv6

local-label prefix

```
[no] { [ vrf { <vrf-name> | <vrf-known-name> } ] local-label <static-inlabel> prefix { <prefix> <mask> | <prefix-mask> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local-label	Configure local label assignment and forwarding
<i>static-inlabel</i>	Label Value
prefix	For a given prefix
<i>prefix</i>	Destination prefix
<i>mask</i>	Destination prefix mask
<i>prefix-mask</i>	Destination prefix/mask

Command Mode

- /exec/configure/mpls_static/ipv4

locator-led

[no] locator-led { chassis | module <module> | fan <fan_num> | powersupply <psnum> }

Syntax Description

no	(Optional) Negate a command or set its defaults
locator-led	blink locator led on device
chassis	blink chassis led
module	blink module led
<i>module</i>	please enter the module number
fan	blink Fan led
<i>fan_num</i>	fan number
powersupply	blink powersupply led
<i>psnum</i>	powersupply number

Command Mode

- /exec

locator

[no] locator <locator-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
locator	Configure SRv6 locator name
<i>locator-name</i>	Locator name to advertise

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6/srv6

locator

[no] locator <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
locator	Configure an SRv6 locator for this node
<i>name</i>	Name for the locator

Command Mode

- /exec/configure/sr/srv6/locators

locator

[no] locator <locator-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
locator	Specify the locator
<i>locator-name</i>	Locator name

Command Mode

- /exec/configure/router-bgp/router-bgp-srv6

locator

[no] locator <locator-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
locator	Configure Traffic Engineering Segment Routing V6 locator
<i>locator-name</i>	Configure locator name

Command Mode

- /exec/configure/sr/te/sr/srv6/locs

locators

[no] locators

Syntax Description

no	(Optional) Negate a command or set its defaults
locators	Configure Traffic Engineering Segment Routing V6 locator configurations

Command Mode

- /exec/configure/sr/te/sr/srv6

locators

[no] locators

Syntax Description

no	(Optional) Negate a command or set its defaults
locators	Base to configure SRv6 locators

Command Mode

- /exec/configure/sr/srv6

lockdown

[no] lockdown

Syntax Description

no	(Optional) Negate a command or set its defaults
lockdown	Disable re-optimization of the path preferences for policies using this color template

Command Mode

- /exec/configure/sr/te/color

lockdown

[no] lockdown

Syntax Description

no	(Optional) Negate a command or set its defaults
lockdown	Disable re-optimization of the path preferences for this policy

Command Mode

- /exec/configure/sr/te/pol

log-adjacency-changes

[no] log-adjacency-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
log-adjacency-changes	Log changes in adjacency state

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

log-adjacency-changes

[no] log-adjacency-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
log-adjacency-changes	Log changes in adjacency state

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

log-adjacency-changes

[no] log-adjacency-changes [detail]

Syntax Description

no	(Optional) Negate a command or set its defaults
log-adjacency-changes	Log changes in adjacency state
detail	(Optional) Notify all state changes

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

log-adjacency-changes

[no] log-adjacency-changes [detail]

Syntax Description

no	(Optional) Negate a command or set its defaults
log-adjacency-changes	Log changes in adjacency state
detail	(Optional) Notify all state changes

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

log-adjacency-changes

[no] log-adjacency-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
log-adjacency-changes	Log changes in adjacency state

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

log-neighbor-changes

[no | default] log-neighbor-changes [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
log-neighbor-changes	Log message for neighbor up/down event
disable	(Optional) Disable logging of neighbor up/down event

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

log-neighbor-changes

[no] log-neighbor-changes

Syntax Description

no	(Optional) Negate a command or set its defaults
log-neighbor-changes	Log a message for neighbor up/down event

Command Mode

- /exec/configure/router-bgp/vrf-cmds

log-neighbor-warnings

```
{ { [ eigrp ] log-neighbor-warnings [ <interval> ] } | { no [ eigrp ] log-neighbor-warnings [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
eigrp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
log-neighbor-warnings	Enable/Disable IP-EIGRP neighbor warnings
<i>interval</i>	(Optional) Neighbor warning interval in seconds

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

logging

[no] logging { neighbor-changes |

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Enable LDP logging
neighbor-changes	Log LDP neighbor state changes

Command Mode

- /exec/configure/ldp

logging abort

logging abort

Syntax Description

logging	Modify message logging facilities
abort	Flushes cached data without committing and releases the lock

Command Mode

- /exec/configure

logging console

[no] logging console [<i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
console	Set console logging
<i>i0</i>	(Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging distribute

[no] logging distribute

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
distribute	Enables/disables fabric distribution using cfs.

Command Mode

- /exec/configure

logging drop threshold

[no] logging drop { threshold-packets <threshold-in-packets> | threshold-bytes <threshold-in-bytes> } [level <level-value>]

Syntax Description

no	Negate a command or set its defaults
logging	set logging for copp class
drop	logging for copp drops
threshold-packets	threshold value for dropped packets
threshold-bytes	threshold value for dropped bytes
level	(Optional) syslog level
<i>level-value</i>	(Optional) specify the logging level between 1-7

Command Mode

- /exec/configure/pmap/class

logging drop threshold

```
logging drop { threshold-packets <threshold-in-packets> | threshold-bytes <threshold-in-bytes> } [ level <level-value> ]
```

Syntax Description

logging	set logging for copp class
drop	logging for copp drops
threshold-packets	threshold value for dropped packets
threshold-bytes	threshold value for dropped bytes
level	(Optional) syslog level
<i>level-value</i>	(Optional) specify the logging level between 1-7

Command Mode

- /exec/configure/pmap/class

logging event link enable

[no] logging event { link-status | trunk-status } { enable | default }

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Configure logging for interface
event	Interface events
link-status	UPDOWN and CHANGE messages
trunk-status	TRUNK status messages
enable	To enable logging overriding port level configuration
default	default logging configuration used by interfaces not explicitly configured

Command Mode

- /exec/configure

logging event port link-status

logging event port link-status [default] | no logging event port link-status

Syntax Description

no	Negate a command or set its defaults
logging	Configure logging for interface
event	Interface events
port	Port level events
link-status	UPDOWN and CHANGE messages
default	(Optional) Use the global default value

Command Mode

- /exec/configure/if-loopback

logging event port link-status

logging event port link-status

Syntax Description

logging	Configure logging for interface
event	Interface events
port	Port level events
link-status	UPDOWN and CHANGE messages

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

logging event port link-status

[no] logging event port link-status

Syntax Description

no	Negate a command or set its defaults
logging	Configure logging for interface
event	Interface events
port	Port level events
link-status	UPDOWN and CHANGE messages

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

logging event port link-status default

logging event port link-status default

Syntax Description

logging	Configure logging for interface
event	Interface events
port	Port level events
link-status	UPDOWN and CHANGE messages
default	Use the global default value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

logging event port trunk-status

[no] logging event port trunk-status

Syntax Description

no	Negate a command or set its defaults
logging	Configure logging for interface
event	Interface events
port	Port level events
trunk-status	TRUNK status messages

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel

logging event port trunk-status

logging event port trunk-status

Syntax Description

logging	Configure logging for interface
event	Interface events
port	Port level events
trunk-status	TRUNK status messages

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel

logging event port trunk-status default

logging event port trunk-status default

Syntax Description

logging	Configure logging for interface
event	Interface events
port	Port level events
trunk-status	TRUNK status messages
default	Use the global default value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel

logging history

```
{ logging history { <i0> | size <i1> } | no logging history [ size ] }
```

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
history	Modifies severity level or size for history table
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
size	Modifies history table size
<i>i1</i>	Enter history table size

Command Mode

- /exec/configure

logging level

```
{ logging level { auth <i1> | authpriv <i2> | cron <i3> | daemon <i4> | ftp <i5> | kernel <i6> | local0 <i7> |
local1 <i8> | local2 <i9> | local3 <i10> | local4 <i11> | local5 <i12> | local6 <i13> | local7 <i14> | lpr <i15>
| mail <i16> | news <i17> | syslog <i18> | user <i19> | uucp <i20> } | no logging level { auth [ <i1> ] | authpriv
[ <i2> ] | cron [ <i3> ] | daemon [ <i4> ] | ftp [ <i5> ] | kernel [ <i6> ] | local0 [ <i7> ] | local1 [ <i8> ] | local2
[ <i9> ] | local3 [ <i10> ] | local4 [ <i11> ] | local5 [ <i12> ] | local6 [ <i13> ] | local7 [ <i14> ] | lpr [ <i15>
] | mail [ <i16> ] | news [ <i17> ] | syslog [ <i18> ] | user [ <i19> ] | uucp [ <i20> ] } }
```

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
auth	Set level for Authorization System
<i>i1</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
authpriv	Set level for Authorization (Private) system
<i>i2</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
cron	Set level for Cron/at facility
<i>i3</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
daemon	Set level for System daemons
<i>i4</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
ftp	Set level for File Transfer System
<i>i5</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
kernel	Set level for kernel
<i>i6</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local0	Set level for Local use daemons
<i>i7</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local1	Set level for Local use daemons
<i>i8</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local2	Set level for Local use daemons
<i>i9</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local3	Set level for Local use daemons

<i>i10</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local4	Set level for Local use daemons
<i>i11</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local5	Set level for Local use daemons
<i>i12</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local6	Set level for Local use daemons
<i>i13</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
local7	Set level for Local use daemons
<i>i14</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
lpr	Set level for Line Printer System
<i>i15</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
mail	Set level for Mail system
<i>i16</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
news	Set level for USENET news
<i>i17</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
syslog	Set level for Internal Syslog Messages
<i>i18</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
user	Set level for User Process
<i>i19</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
uucp	Set level for Unix-to-Unix copy system
<i>i20</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level

[no] logging level { { routing ipv6 multicast } | m6rib } <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
routing	Configure routing information
ipv6	Display IPv6 information
multicast	Set syslog filter level for M6RIB
m6rib	Set syslog filter level for M6RIB
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level

[no] logging level { { routing [ip | ipv4] multicast } | mrib } <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
routing	Configure routing information
ip	(Optional) Configure IP features
ipv4	(Optional) Configure IP features
multicast	Set syslog filter level for MRIB
mrib	Set syslog filter level for MRIB
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level

[no] logging level { xml server | xmlma } <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
xml	xml agent
server	xml agent server
xmlma	xml master agent. Same as combination of keywords xml server
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level aaa

logging level aaa <i0> | no logging level aaa [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
aaa	Set level for aaa syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level acl

[no] logging level acl <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
acl	Set syslog filter level for acl manager
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level aclmgr

[no] logging level aclmgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
aclmgr	Set level for aclmgr syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level adbm

[no] logging level adbm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
adbm	Set level for adbm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level adjmgr

[no] logging level adjmgr <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
adjmgr	Set syslog filter level for Adjacency Manager
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level all

{ logging level { all <i0> } | no logging level { all [<i0>] } }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
all	Set level for all facilities
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level amt

[no] logging level amt <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
amt	Set syslog filter level for AMT
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level app-hosting

[no] logging level app-hosting <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
app-hosting	Set level for app-hosting syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level arp

```
{ logging level arp <level> } | { no logging level arp [ <level> ] }
```

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
arp	Set syslog filter level for ARP
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ascii-cfg

[no] logging level ascii-cfg <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ascii-cfg	Set logging level for ascii-cfg
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level assoc_mgr

[no] logging level assoc_mgr <i0> | no logging level assoc_mgr [<i0>]

Syntax Description

no	(Optional) Negate a command or set its default
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
assoc_mgr	Show Association Manager Logging Configuration
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level backup

[no] logging level { backup | flexlink } <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
backup	Set level for Switchport Backup syslog messages
flexlink	Set level for Switchport Backup syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level bfd

[no] logging level bfd <i>i0</i>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
bfd	Set level for bfd syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level bgp

[no] logging level bgp <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
bgp	Set syslog filter level for BGP
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level bloggerd

[no] logging level bloggerd <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
bloggerd	Set level for BloggerD syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level bootvar

[no] logging level bootvar <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
bootvar	Set level for bootvar
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level callhome

logging level callhome <i0> | no logging level callhome [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
callhome	Callhome syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level capability

[no] logging level capability <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
capability	Set syslog level for mig utils daemon
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level cdp

logging level cdp <i0> | no logging level cdp [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
cdp	Set level for CDP syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level cfs

[no] logging level cfs <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level clis

[no] logging level clis <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
clis	Set syslog filter level for CLIS
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level clk_mgr

[no] logging level clk_mgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
clk_mgr	Set level for clock manager syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level confcheck

```
{ logging level confcheck <i0> | no logging level confcheck [ <i0> ] }
```

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level copp

logging level copp <i0> | no logging level copp [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
copp	Set level for copp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level core-dmon

```
{ logging level core-dmon <i0> | no logging level core-dmon [ <i0> ] }
```

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
core-dmon	core daemon syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level cryptopqc

logging level cryptopqc <i0> | no logging level cryptopqc [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
cryptopqc	Set level for cryptopqc syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level cts

[no] logging level cts <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
cts	Set level for cts syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level device-alias

[no] logging level device-alias <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
device-alias	Set syslog level for Device Alias Distribution Service
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level dhclient

[no] logging level dhclient <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
dhclient	Set level for dhcp client syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level dhcp_snoop

logging level dhcp_snoop <level> | no logging level dhcp_snoop [<level>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
dhcp_snoop	Set level for dhcp snoop syslog messages
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level diagclient

[no] logging level diagclient <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
diagclient	Set level for GOLD DiagClient syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level diagmgr

[no] logging level diagmgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
diagmgr	Set level for GOLD DiagMgr syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level dot1x

logging level dot1x <i0> | no logging level dot1x [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
dot1x	Set level for dot1x syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level dpvm

[no] logging level dpvm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
dpvm	Set syslog level for DPVM
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ecp

[no] logging level ecp <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ecp	Set syslog filter level for ECP
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level eigrp

[no] logging level eigrp [<eigrp-ptag>] <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
eigrp	Set syslog filter level for EIGRP
<i>eigrp-ptag</i>	(Optional) Process tag
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level eltm

logging level eltm <i0> | no logging level eltm

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
eltm	Set level for eltm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level epbr

[no] logging level epbr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
epbr	Set level for epbr syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level epp

[no] logging level epp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
epp	Set level for EPP syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ethpm

[no] logging level ethpm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ethpm	Set level for ethpm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ethpm link

[no] logging level ethpm { link-up | link-down } <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ethpm	Set level for ethpm syslog messages
link-up	Configure logging level for link up syslog messages
link-down	Configure logging level for link down syslog messages
<i>level</i>	Logging Level

Command Mode

- /exec/configure

logging level evb

[no] logging level evb <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evb	Set syslog filter level for EVB
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level evmc

[no] logging level evmc <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evmc	Set level for evmc syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level evmed

[no] logging level evmed <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evmed	Set level for evmed syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level evms

[no] logging level evms <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evms	Set level for evms syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fabric forwarding

[no] logging level fabric forwarding <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fabricpath switch-id

[no] logging level fabricpath switch-id <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabricpath	fabricpath configuration
switch-id	switch-id submodule of fabricpath
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fc2d

[no] logging level fc2d <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fc2d	Set level for fc2d syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fcdomain

[no] logging level fcdomain <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fcdomain	set level for fcdomain syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fcns

[no] logging level fcns <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fcns	Set syslog filter level for name server
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fcoe_mgr

[no] logging level fcoe_mgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fcoe_mgr	Set level for fcoe_mgr syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fcs

[no] logging level fcs <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fdmi

[no] logging level fdmi <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fdmi	Set logging level for fdmi
<i>i0</i>	0:emer 1:alert 2:crit 3:errs 4:warn 5:notifi 6:info 7:debug

Command Mode

- /exec/configure

logging level feature-mgr

{ logging level feature-mgr <i0> | no logging level feature-mgr [<i0>] }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
feature-mgr	Set feature manager syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level flogi

[no] logging level flogi <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
flogi	Configure level for flogi syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fs-daemon

[no] logging level fs-daemon <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fs-daemon	fs daemon syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fspf

[no] logging level fspf <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level fsync_mgr

[no] logging level fsync_mgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fsync_mgr	Frequency Synchronization Manager
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level gpixm

[no] logging level gpixm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
gpixm	Set level for global-pixm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level hardware-telemetry

[no] logging level hardware-telemetry <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
hardware-telemetry	Set level for hardware-telemetry syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level hsrp

[no] logging level hsrp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
hsrp	Set level for hsrp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level igmp

[no] logging level [ip] igmp <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ip	(Optional) Configure IP features
igmp	IGMP global configuration commands
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level imp

[no] logging level imp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
imp	Set level for imp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level interface-vlan

[no] logging level interface-vlan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
interface-vlan	Set level for interface vlan syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ip pim

[no] logging level ip pim <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ip	Configure IP features
pim	Set syslog filter level for PIM
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ip sla responder

[no] logging level ip sla responder <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ip	
sla	Service Level Agreement (SLA)
responder	Set level for sla-responder syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ip sla sender

[no] logging level ip sla sender <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ip	
sla	Service Level Agreement (SLA)
sender	Set level for sla-sender syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ip sla twamp-server

[no] logging level ip sla twamp-server <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ip	
sla	Service Level Agreement (SLA)
twamp-server	Set level for sla-twamp-server syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ipconf

[no] logging level ipconf { ipv6 <i0> | <i1> }

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ipconf	Set level for ipconf syslog messages
ipv6	Set level for ipconf syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
<i>i1</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ipfib

logging level ipfib <i0> | no logging level ipfib

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ipfib	Set level for ipfib syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ipqos

[no] logging level { ipqos | IPQOSMGR } <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ipv6 mld

[no] logging level ipv6 mld <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ipv6	Configure IPv6 features
mld	MLD global configuration commands
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ipv6 pim

[no] logging level ipv6 pim <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ipv6	Configure IPv6 features
pim	Set syslog filter level for PIM6
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level iscm

[no] logging level iscm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
iscm	Set level for iscm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level iscm

[no] logging level iscm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
iscm	Set level for iscm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level isis

[no] logging level isis <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
isis	Set syslog filter level for IS-IS
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level l2fm

logging level l2fm <i0> | no logging level l2fm

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
l2fm	Set level for l2fm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level l2rib

[no] logging level l2rib <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
l2rib	l2rib syslog
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level l3vm

[no] logging level l3vm <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
l3vm	Set syslog filter level for L3VM
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level lacp

[no] logging level lacp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
lacp	Set level for lacp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ldap

logging level ldap <i0> | no logging level ldap [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ldap	Set level for ldap syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level lem-mgr

[no] logging level lem-mgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level lim

[no] logging level lim <i>0</i>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
lim	Set level for lim syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level lisp

[no] logging level lisp <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
lisp	Set logging level for LISP
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level lldp

[no] logging level lldp <i>i0</i>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
lldp	Set level for lldp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level m2rib

[no] logging level m2rib <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
m2rib	Set level for m2rib syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mfdm

logging level mfdm <i0> | no logging level mfdm

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mfdm	Set level for mfdm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mfwd

[no] logging level { mfwd | mcastfwd } <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mfwd	Configures Global IP Multicast Forwarding
mcastfwd	Configures Global IP Multicast Forwarding
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mfwdv6

[no] logging level { mfwdv6 | mcastfwdv6 } <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mfwdv6	Configures Global IPv6 Multicast Forwarding
mcastfwdv6	Configures Global IPv6 Multicast Forwarding
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mmode

[no] logging level mmode <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mmode	Set level for maintenance mode syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level module

[no] logging level module <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
module	Set level for module(linecard) manager syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level monitor

[no] logging level monitor <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
monitor	Set level for ethernet span syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mpls manager

[no] logging level mpls manager <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mpls	Set level for MPLS syslog messages
manager	Set level for MPLS manager syslog messages
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mpls static

[no] logging level mpls static <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mpls	Set level for MPLS syslog messages
static	Set level for MPLS Static syslog messages
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mpls switching

[no] logging level mpls switching <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mpls	Set level for MPLS syslog messages
switching	Set level for mpls switching syslog messages
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level msdp

[no] logging level [ip] msdp <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ip	(Optional) Configure IP features
msdp	Set syslog filter level for MSDP
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level mvsh

[no] logging level mvsh <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
mvsh	Set level for mvsh syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level nat

logging level nat <i0> | no logging level nat [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nat	Set level for NAT syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level nbm

logging level nbm <i0> | no logging level nbm

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nbm	Set level for nbm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure /exec/configure/nbm-vrf

logging level netstack

{ logging level netstack <level> } | { no logging level netstack [<level>] }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
netstack	Set syslog filter level for Netstack
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level nfm

[no] logging level nfm <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nfm	Set level for nfm syslog messages
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level nfm

[no] logging level nfm <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nfm	Set level for nfm syslog messages
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ngmvpn

[no] logging level ngmvpn <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ngmvpn	Set syslog filter level for NGMVPN
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ngoam

[no] logging level ngoam <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ngoam	Set level for oam logging messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level npv

[no] logging level npv <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
npv	Set level for NPV syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ntp

[no] logging level ntp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ntp	Set syslog filter level for NTP
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level nve

[no] logging level nve <inp>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nve	Display NVE information
<i>inp</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level nxsdk

[no] logging level nxsdk <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nxsdk	NXOS SDK
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ofm

logging level ofm <i0> | no logging level ofm [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ofm	Set level for ofm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ospf

[no] logging level ospf <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ospf	Set syslog filter level for OSPF
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ospfv3

[no] logging level ospfv3 <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ospfv3	Set syslog filter level for OSPFv3
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level pfstat

logging level pfstat <i0> | no logging level pfstat

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
pfstat	Set level for pfstat syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level pixm

[no] logging level pixm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
pixm	Set level for vdc-local-pixm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level pktmgr

[no] logging level pktmgr <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
pktmgr	Set syslog filter level for Packet manager
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level platform

[no] logging level platform <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
platform	platform manager syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level plcmgr

[no] logging level { plcmgr | ipplc } <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level pltfm_config

[no] logging level pltfm_config <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
pltfm_config	Set level for pltfm_config syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level pltm

[no] logging level pltm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
pltm	Set level for pltm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level plugin

{ logging level plugin <i0> | no logging level plugin [<i0>] }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
plugin	Set level for plugin syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level poed

[no] logging level poed <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
poed	Show PoE Daemon Logging Configuration
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level port-profile

logging level port-profile <i0> | no logging level port-profile [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
port-profile	Set level for port-profile syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level port-resources

[no] logging level port-resources <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
port-resources	Set level for prn syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level port-security

logging level port-security <i0> | no logging level port-security [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
port-security	Set level for port-security syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level port

[no] logging level port <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
port	Set level for port syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level port link-failure

[no] logging level port link-failure <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
port	Set level for port syslog messages
link-failure	Configure logging level for link failure syslog messages
<i>level</i>	Logging Level

Command Mode

- /exec/configure

logging level private-vlan

[no] logging level private-vlan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
private-vlan	Set level for private VLAN syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ptp

[no] logging level ptp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ptp	Set level for ptp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level radius

logging level radius <i0> | no logging level radius [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
radius	RADIUS syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level rdl

[no] logging level rdl <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
rdl	Set logging level for RDL
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level res_mgr

[no] logging level res_mgr <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
res_mgr	Set level for res_mgr syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level rib

[no] logging level rib <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
rib	Set level for rib
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level rip

[no] logging level rip <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
rip	Set syslog filter level for RIP
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level rpm

[no] logging level rpm <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
rpm	Set syslog filter level for RPM
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level rscn

{ logging level rscn <i0> | no logging level rscn [<i1>] }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
<i>i1</i>	(Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level sal

[no] logging level sal <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
sal	Set level for sal syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level scheduler

[no] logging level scheduler <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
scheduler	Set logging level for scheduler
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level scsi-target

[no] logging level scsi-target <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
scsi-target	scsi target daemon syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level segment-routing

[no] logging level segment-routing <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
segment-routing	Set level for SR syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level session-mgr

logging level session-mgr <i0> | no logging level session-mgr [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
session-mgr	Set level for session-manager syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level sflow

[no] logging level sflow <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
sflow	Set level for sFlow syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level smm

[no] logging level smm <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
smm	Set logging level for Shared Memory Manager
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level snmpd

[no] logging level snmpd <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
snmpd	Set level for SNMP syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level snmpmib_proc

[no] logging level snmpmib_proc <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
snmpmib_proc	Set level for snmpmib_proc syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level spanning

[no] logging level { spanning-tree } <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
spanning-tree	Set level for stp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level spm

[no] logging level spm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
spm	Set level for spm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level stripcl

[no] logging level stripcl <log-level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
stripcl	Set level for stripcl syslog messages
<i>log-level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level sync

[no] logging level sync <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
sync	Set level for sync syslog messages
i0	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level sysmgr

{ logging level sysmgr <i0> | no logging level sysmgr [<i0>] }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level tacacs

logging level tacacs <i0> | no logging level tacacs [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
tacacs	TACACS+ syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level tamnw

[no] logging level tamnw <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
tamnw	Set level for tamnw syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level telemetry

[no] logging level telemetry <level>

Syntax Description

no	(Optional) Negate a command or set its default
logging	Modify message logging facilities
level	Facility parameter for syslog messages
telemetry	Set syslog filter level for telemetry
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level template_manager

[no] logging level template_manager <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
template_manager	Set level for template manager syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level tpmon

[no] logging level tpmon <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
tpmon	Set level for tpmon syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level track

[no] logging level track <i0>

Syntax Description

logging	Modify message logging facilities
level	Facility parameter for syslog messages
track	Set level for track syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level tunnel-encryption

[no] logging level tunnel-encryption <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
tunnel-encryption	Set level for tunnel encryption manager syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level tunnel

logging level tunnel <i0> | no logging level tunnel [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
tunnel	Set level for tunnel syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level u2rib

[no] logging level u2rib <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
u2rib	Set level for u2rib syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level u6rib

[no] logging level u6rib <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
u6rib	Set syslog filter level for U6RIB
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level udd

[no] logging level udd <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
udd	Set level for udd syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level ufdm

[no] logging level ufdm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ufdm	Set level for ufdm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level urib

[no] logging level urib <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
urib	Set syslog filter level for URIB
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vdc_mgr

[no] logging level vdc_mgr <i0>

Syntax Description

logging	Modify message logging facilities
level	Facility parameter for syslog messages
vdc_mgr	Set level for vdc_mgr syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level virtual-service

[no] logging level virtual-service <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
virtual-service	Set level for virtual service syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vlan_mgr

logging level vlan_mgr <i0> | no logging level vlan_mgr [<i0>]

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vlan_mgr	Set level for VLAN syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vmm

[no] logging level vmm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vmm	Set level for vmm syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vmtracker

[no] logging level vmtracker <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vmtracker	Set level for vmtracker syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vpc

[no] logging level vpc <i>i0</i>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vpc	Set level for vPC syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vrrp

[no] logging level { vrrp-cfg <cfg_level_num> | vrrp-eng <eng_level_num> }

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vrrp-cfg	Set level for vrrp configuration
<i>cfg_level_num</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
vrrp-eng	Set level for vrrp engine
<i>eng_level_num</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vrrpv3

[no] logging level { vrrpv3 <level> }

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vrrpv3	Set level for vrrpv3 configuration
<i>level</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vsan

{ logging level vsan <i0> | no logging level vsan [<i1>] }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
<i>i1</i>	(Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vshd

[no] logging level vshd <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level vtp

[no] logging level vtp <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
vtp	Set level for vtp syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level wwnm

[no] logging level wwnm <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
wwnm	Set WWN Manager syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level xbar

[no] logging level xbar <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
xbar	xbar syslog level
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging level zone

logging level zone <i0> | no logging level zone

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
level	Facility parameter for syslog messages
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging logfile

```
{ logging logfile <s0> <i0> [ size <i1> ] [ persistent threshold <i2> ] | no logging logfile [ <s0> <i0> [ size <i1> ] [ persistent threshold <i2> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
logfile	Set File logging
<i>s0</i>	Enter the logfile name
<i>i0</i>	0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
size	(Optional) Set logfile size
<i>i1</i>	(Optional) Enter the logfile size in bytes
persistent	(Optional) Modify persistent logging
threshold	(Optional) Set persistent logging utilization alert threshold in percentage
<i>i2</i>	(Optional) Enter utilization alert threshold value in percentage

Command Mode

- /exec/configure

logging message interface type ethernet

logging message interface type ethernet <info> | no logging message interface type ethernet <info>

Syntax Description

no	Negate a command or set its defaults
logging	Configure logging for interface
message	Interface events
interface	Interface level events
type	Interface type
ethernet	Ethernet interfaces
<i>info</i>	Field Names to be added to interface syslog

Command Mode

- /exec/configure

logging module

[no] logging module [<i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
module	Set module(linecard) logging
<i>i0</i>	(Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging monitor

[no] logging monitor [<i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
monitor	Set terminal line(monitor) logging level
<i>i0</i>	(Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug

Command Mode

- /exec/configure

logging origin-id

```
[no] logging origin-id { hostname | ip <ip0> | string <s0> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
origin-id	Enable origin information for Remote Syslog Server
hostname	Use hostname as origin-id of logging messages
ip	Use ip address as origin-id of logging messages
<i>ip0</i>	Hostname/IPv4/IPv6 address
string	Use text string as origin-id of logging messages
<i>s0</i>	Enter string to append to the front of syslog msgs

Command Mode

- /exec/configure

logging rate-limit

[no] logging rate-limit

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
rate-limit	Enables rate limit for log messages

Command Mode

- /exec/configure

logging rfc-strict 5424

[no] logging rfc-strict { 5424 [full] }

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
rfc-strict	Set RFC to which messages should compliant
5424	Syslogs will be compliant to RFC 5424
full	(Optional) Syslogs will be compliant to RFC 5424 fully

Command Mode

- /exec/configure

logging secure oosp strict

{ logging secure oosp strict | no logging secure oosp strict }

Syntax Description

no	Negate a command or set its defaults
logging	Logging configuration
secure	Enable secure connection to remote server
oosp	Online Certificate Status Protocol configuration
strict	Configure oosp in strict mode

Command Mode

- /exec/configure

logging server

```
[no] logging server <host0> [ [ <i1> ] [ port <port> ] [ secure [ trustpoint client-identity <trustpoint-label> ] ] [ use-vrf { <vrf-name> | <vrf-known-name> } | facility { auth | authpriv | cron | daemon | ftp | kernel | local0 | local1 | local2 | local3 | local4 | local5 | local6 | local7 | lpr | mail | news | syslog | user | uucp } ] + ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
server	Enable forwarding to Remote Syslog Server
<i>host0</i>	Hostname/IPv4/IPv6 address of the Remote Syslog Server
<i>i1</i>	(Optional) 0-emerg 1-alert 2-crit 3-err 4-warn 5-notif 6-inform 7-debug
port	(Optional) Destination Port when forwarding to remote server
<i>port</i>	(Optional) Range from 1 - 65535(Default 514)
secure	(Optional) Enable secure connection to remote server
trustpoint	(Optional) Trustpoint configuration
client-identity	(Optional) Client Identity certificate for mutual authentication
<i>trustpoint-label</i>	(Optional) trustpoint to use for client certificate authentication
use-vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
facility	(Optional) Facility to use when forwarding to server
auth	(Optional) Use auth facility
authpriv	(Optional) Use authpriv facility
cron	(Optional) Use Cron/at facility
daemon	(Optional) Use daemon facility
ftp	(Optional) Use file transfer system facility
kernel	(Optional) Use kernel facility
local0	(Optional) Use local0 facility
local1	(Optional) Use local1 facility
local2	(Optional) Use local2 facility

local3	(Optional) Use local3 facility
local4	(Optional) Use local4 facility
local5	(Optional) Use local5 facility
local6	(Optional) Use local6 facility
local7	(Optional) Use local7 facility
lpr	(Optional) Use lpr facility
mail	(Optional) Use mail facility
news	(Optional) Use USENET news facility
syslog	(Optional) Use syslog facility
user	(Optional) Use user facility
uucp	(Optional) Use Unix-to-Unix copy system facility

Command Mode

- /exec/configure

logging server dns-refresh-interval

[no] logging server dns-refresh-interval <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
server	Enable forwarding to Remote Syslog Server
dns-refresh-interval	DNS refresh interval for remote syslog server hostnames
<i>i0</i>	Configure DNS Refresh interval from 10 minutes to 24 hours Default:60 (will cancel any existing timers)

Command Mode

- /exec/configure

logging source-interface

{ logging source-interface <interface> | no logging source-interface }

Syntax Description

no	Negate a command or set its defaults
logging	Modify message logging facilities
source-interface	Enable Source-Interface for Remote Syslog Server
<i>interface</i>	Source interface name

Command Mode

- /exec/configure

logging timestamp

[no] logging timestamp { microseconds | milliseconds | seconds }

Syntax Description

no	(Optional) Negate a command or set its defaults
logging	Modify message logging facilities
timestamp	Set logging timestamp granularity
microseconds	Timestamp in micro-seconds
milliseconds	Timestamp in milli-seconds
seconds	Timestamp in seconds (Default)

Command Mode

- /exec/configure

login on-failure log

[no] login on-failure log

Syntax Description

no	(Optional) Negate a command or set its defaults
login	login
on-failure	Set options for failed login attempt
log	Generate syslogs on failure logins

Command Mode

- /exec/configure

login on-success log

[no] login on-success log

Syntax Description

no	(Optional) Negate a command or set its defaults
login	login
on-success	Set options for successful login attempt
log	Generate syslogs on successful logins

Command Mode

- /exec/configure

logout-warning

{ logout-warning <i0> | no logout-warning [<i0>] }

Syntax Description

no	Negate a command or set its defaults
logout-warning	Configure logout warning
<i>i0</i>	Enter logout warning time in seconds

Command Mode

- /exec/configure/line

low-memory exempt

[no | default] low-memory exempt

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
low-memory	Behaviour
exempt	Do

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

Ishow

Ishow

Syntax Description

Ishow	display this instance of credential
-------	-------------------------------------

Command Mode

- /exec/configure/dot1x-cred

lsp-gen-interval

lsp-gen-interval <level> <max-wait> [<initial-wait> <second-wait>] | no lsp-gen-interval <level> <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
lsp-gen-interval	Configure LSP generation interval
<i>level</i>	IS-IS level
<i>max-wait</i>	Maximum wait between trigger and LSP generation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and LSP generation (milli-secs)
<i>second-wait</i>	(Optional) Second wait used in LSP generation (milli-secs) during backoff

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

lsp-gen-interval

lsp-gen-interval <max-wait> [<initial-wait> <second-wait>] | no lsp-gen-interval <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
lsp-gen-interval	Configure LSP generation interval
<i>max-wait</i>	Maximum wait between trigger and LSP generation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and LSP generation (milli-secs)
<i>second-wait</i>	(Optional) Second wait used in LSP generation (milli-secs) during backoff

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

lsp-gen-interval

lsp-gen-interval <max-wait> [<initial-wait> <second-wait>] | no lsp-gen-interval <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
lsp-gen-interval	Configure LSP generation interval
<i>max-wait</i>	Maximum wait between trigger and LSP generation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and LSP generation (milli-secs)
<i>second-wait</i>	(Optional) Second wait used in LSP generation (milli-secs) during backoff

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

lsp-mtu

lsp-mtu <mtu> | no lsp-mtu [<mtu>]

Syntax Description

no	Negate a command or set its defaults
lsp-mtu	Set LSP MTU
<i>mtu</i>	Maximum LSP size in bytes

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

lsp-mtu

lsp-mtu <mtu> | no lsp-mtu [<mtu>]

Syntax Description

no	Negate a command or set its defaults
lsp-mtu	Set LSP MTU
<i>mtu</i>	Maximum LSP size in bytes

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

lsp-mtu

lsp-mtu <mtu> | no lsp-mtu [<mtu>]

Syntax Description

no	Negate a command or set its defaults
lsp-mtu	Set LSP MTU
<i>mtu</i>	Maximum LSP size in bytes

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

lsp

[no] lsp <lsp-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
lsp	Configure the name for the label-switched path
<i>lsp-name</i>	Name for this LSP

Command Mode

- /exec/configure/mpls_static/ipv6

lsp

[no] lsp <lsp-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
lsp	Configure the name for the label-switched path
<i>lsp-name</i>	Name for this LSP

Command Mode

- /exec/configure/mpls_static/ipv4



M Commands

- [m2rib debug log-size transactions](#), on page 3148
- [mac-addr](#), on page 3149
- [mac-address](#), on page 3150
- [mac-address](#), on page 3151
- [mac-address](#), on page 3152
- [mac-address](#), on page 3153
- [mac-address bpdu source version 2](#), on page 3154
- [mac-address destination](#), on page 3155
- [mac-address ipv6-extract](#), on page 3156
- [mac-learn disable](#), on page 3157
- [mac-learn disable](#), on page 3158
- [mac-learn vlan](#), on page 3159
- [mac-list permit](#), on page 3160
- [mac-move policy](#), on page 3161
- [mac access-list](#), on page 3162
- [mac address-table aging-time](#), on page 3163
- [mac address-table guard-vpc-peergw-mac](#), on page 3164
- [mac address-table limit](#), on page 3165
- [mac address-table limit user-defined](#), on page 3166
- [mac address-table loop-detect nve port-down](#), on page 3167
- [mac address-table loop-detect port-down](#), on page 3168
- [mac address-table multicast vlan interface](#), on page 3169
- [mac address-table notification mac-move](#), on page 3170
- [mac address-table notification threshold](#), on page 3171
- [mac address-table static clear](#), on page 3172
- [mac address-table static vlan interface](#), on page 3173
- [mac address-table static vni](#), on page 3174
- [mac address](#), on page 3175
- [mac address inherit](#), on page 3176
- [mac advert interval](#), on page 3177
- [mac packet-classify](#), on page 3178
- [mac packet-classify](#), on page 3179
- [mac port access-group](#), on page 3180

- [mac vsan](#), on page 3181
- [macsec eap](#), on page 3182
- [macsec keychain macsec keychain](#), on page 3183
- [macsec policy](#), on page 3184
- [macsec shutdown](#), on page 3185
- [managed-config-flag](#), on page 3186
- [management](#), on page 3187
- [map-notify-group](#), on page 3188
- [map-server key](#), on page 3189
- [marker-packet-n3500](#), on page 3190
- [marker-packet](#), on page 3191
- [match-address](#), on page 3192
- [match](#), on page 3193
- [match](#), on page 3194
- [match](#), on page 3195
- [match](#), on page 3197
- [match](#), on page 3198
- [match access-group name](#), on page 3202
- [match as-number](#), on page 3203
- [match as-number as-path-list](#), on page 3204
- [match as-path](#), on page 3205
- [match class-map](#), on page 3206
- [match community](#), on page 3207
- [match connected-endpoints vrf ipv4](#), on page 3208
- [match connected-endpoints vrf ipv6](#), on page 3209
- [match cos](#), on page 3210
- [match cos](#), on page 3211
- [match datalink](#), on page 3212
- [match datalink](#), on page 3213
- [match dscp](#), on page 3214
- [match dscp](#), on page 3215
- [match evpn route-type](#), on page 3216
- [match exception](#), on page 3217
- [match extcommunity](#), on page 3219
- [match external-subnets vrf ipv4](#), on page 3220
- [match external-subnets vrf ipv6](#), on page 3221
- [match interface](#), on page 3222
- [match interface](#), on page 3223
- [match ip address](#), on page 3224
- [match ip address](#), on page 3225
- [match ip address](#), on page 3226
- [match ip address prefix-list](#), on page 3227
- [match ip multicast rp](#), on page 3228
- [match ip next-hop prefix-list](#), on page 3229
- [match ip protocol](#), on page 3230
- [match ip protocol](#), on page 3231

- [match ip protocol, on page 3232](#)
- [match ip route-source prefix-list, on page 3233](#)
- [match ip source address, on page 3234](#)
- [match ip source address, on page 3235](#)
- [match ipv4 protocol, on page 3236](#)
- [match ipv4 source address, on page 3237](#)
- [match ipv4 source address, on page 3238](#)
- [match ipv4 transport destination, on page 3239](#)
- [match ipv6, on page 3240](#)
- [match ipv6, on page 3241](#)
- [match ipv6 address, on page 3242](#)
- [match ipv6 address, on page 3243](#)
- [match ipv6 address, on page 3244](#)
- [match ipv6 address prefix-list, on page 3245](#)
- [match ipv6 multicast rp, on page 3246](#)
- [match ipv6 next-hop prefix-list, on page 3247](#)
- [match ipv6 protocol, on page 3248](#)
- [match ipv6 route-source prefix-list, on page 3249](#)
- [match ipv6 transport destination, on page 3250](#)
- [match l2 address, on page 3251](#)
- [match l2 address, on page 3252](#)
- [match large-community, on page 3253](#)
- [match mac-list, on page 3254](#)
- [match message-type, on page 3255](#)
- [match message-type, on page 3256](#)
- [match metric, on page 3257](#)
- [match ospf-area, on page 3258](#)
- [match protocol arp, on page 3259](#)
- [match qos-group, on page 3260](#)
- [match qos-group2, on page 3261](#)
- [match qos-group2, on page 3262](#)
- [match qos-group, on page 3263](#)
- [match redirect, on page 3264](#)
- [match route-type, on page 3265](#)
- [match rpki valid, on page 3266](#)
- [match source-protocol, on page 3267](#)
- [match tag, on page 3268](#)
- [match transport destination, on page 3269](#)
- [match transport destination, on page 3270](#)
- [match transport destination, on page 3271](#)
- [match vlan, on page 3272](#)
- [max-lsa, on page 3273](#)
- [max-lsa, on page 3274](#)
- [max-lsp-lifetime, on page 3275](#)
- [max-lsp-lifetime, on page 3276](#)
- [max-lsp-lifetime, on page 3277](#)

- [max-metric router-lsa, on page 3278](#)
- [max-metric router-lsa, on page 3279](#)
- [max-ports, on page 3280](#)
- [max-ports, on page 3281](#)
- [maxas-limit, on page 3282](#)
- [maximum-paths, on page 3283](#)
- [maximum-paths, on page 3284](#)
- [maximum-paths, on page 3285](#)
- [maximum-paths, on page 3286](#)
- [maximum-paths, on page 3287](#)
- [maximum-paths, on page 3288](#)
- [maximum-paths, on page 3289](#)
- [maximum-paths eibgp, on page 3290](#)
- [maximum-paths local, on page 3291](#)
- [maximum-paths mixed, on page 3292](#)
- [maximum-paths unequal-cost, on page 3293](#)
- [maximum-peers, on page 3294](#)
- [maximum-prefix, on page 3295](#)
- [maximum-prefix, on page 3296](#)
- [maximum routes, on page 3297](#)
- [mcast-group, on page 3298](#)
- [mcast-routing override source-interface, on page 3299](#)
- [mcast root lowest vsan, on page 3300](#)
- [mcast root principal vsan, on page 3301](#)
- [mdix auto, on page 3302](#)
- [mdns-sd controller, on page 3303](#)
- [mdns-sd controller service-list, on page 3304](#)
- [mdns-sd controller service-policy, on page 3305](#)
- [mdns-sd gateway, on page 3306](#)
- [mdns-sd gateway, on page 3307](#)
- [mdns-sd service-definition, on page 3308](#)
- [mdns-sd service-list in, on page 3309](#)
- [mdns-sd service-list out, on page 3310](#)
- [mdns-sd service-policy, on page 3311](#)
- [mdt asm-use-shared-tree, on page 3312](#)
- [mdt data, on page 3313](#)
- [mdt data vxlan, on page 3314](#)
- [mdt default, on page 3315](#)
- [mdt enforce-bgp-mdt-safi, on page 3316](#)
- [mdt mtu, on page 3317](#)
- [mdt pim hello-interval, on page 3318](#)
- [mdt pim jp-interval, on page 3319](#)
- [mdt source, on page 3320](#)
- [mdt v4 vxlan, on page 3321](#)
- [mdt v6 vxlan, on page 3322](#)
- [media-type, on page 3323](#)

- [media-type auto](#), on page 3324
- [media-type rj45](#), on page 3325
- [media-type sfp](#), on page 3326
- [media](#), on page 3327
- [medium](#), on page 3328
- [medium broadcast](#), on page 3329
- [medium broadcast](#), on page 3330
- [medium p2p](#), on page 3331
- [medium p2p](#), on page 3332
- [member](#), on page 3333
- [member](#), on page 3335
- [member](#), on page 3337
- [member](#), on page 3338
- [member vlan](#), on page 3340
- [member vni](#), on page 3341
- [member vni](#), on page 3342
- [member vni associate-vrf](#), on page 3343
- [memory](#), on page 3344
- [message-digest-key md5](#), on page 3345
- [message-digest-key md5](#), on page 3346
- [message max-size](#), on page 3347
- [method](#), on page 3348
- [metric-style transition](#), on page 3349
- [metric](#), on page 3350
- [metric](#), on page 3351
- [metric](#), on page 3352
- [metric direct 0](#), on page 3353
- [metric maximum-hops](#), on page 3354
- [metric rib-scale](#), on page 3355
- [metric version 64bit](#), on page 3356
- [metric weights](#), on page 3357
- [mgmt-addr](#), on page 3358
- [min-ls-arrival](#), on page 3359
- [min-ls-interval](#), on page 3360
- [mkdir](#), on page 3361
- [mode](#), on page 3362
- [mode](#), on page 3363
- [mode](#), on page 3364
- [mode](#), on page 3365
- [mode flow-redirect](#), on page 3366
- [mode flowlet](#), on page 3367
- [mode hot-standby](#), on page 3368
- [mode interface](#), on page 3369
- [mode tap-aggregation](#), on page 3370
- [module transceiver-frequency](#), on page 3371
- [monitor erspan granularity](#), on page 3372

- [monitor erspan origin ip-address](#), on page 3373
- [monitor erspan origin ipv6-address](#), on page 3374
- [monitor input](#), on page 3375
- [monitor input](#), on page 3376
- [monitor session](#), on page 3377
- [monitor session shut](#), on page 3378
- [monitor session type acl-capture](#), on page 3379
- [monitor session type erspan-destination](#), on page 3380
- [monitor session type erspan-source](#), on page 3381
- [monitor session warp](#), on page 3382
- [monitor session warp](#), on page 3383
- [mount](#), on page 3384
- [mount slot0](#), on page 3385
- [move](#), on page 3386
- [mpls](#), on page 3387
- [mpls](#), on page 3388
- [mpls](#), on page 3389
- [mpls](#), on page 3390
- [mpls access-list](#), on page 3391
- [mpls ip](#), on page 3392
- [mpls ip default-route](#), on page 3393
- [mpls ip forwarding](#), on page 3394
- [mpls ip propagate-ttl](#), on page 3395
- [mpls ip ttl-expiration pop](#), on page 3396
- [mpls label range](#), on page 3397
- [mpls load-sharing label-ip](#), on page 3398
- [mpls load-sharing label-only](#), on page 3399
- [mpls port access-group](#), on page 3400
- [mpls qos pipe-mode](#), on page 3401
- [mpls static configuration](#), on page 3402
- [mpls strip](#), on page 3403
- [mpls strip label](#), on page 3404
- [mpls traffic-eng](#), on page 3405
- [mpls traffic-eng multicast-intact](#), on page 3406
- [mpls traffic-eng router-id](#), on page 3407
- [mpls ttl-mode php uniform](#), on page 3408
- [mst designated priority](#), on page 3409
- [mst root priority](#), on page 3410
- [mtrace](#), on page 3411
- [mts-buildup check](#), on page 3412
- [mts callhome age](#), on page 3413
- [mts latency threshold sup](#), on page 3414
- [mtu](#), on page 3415
- [mtu1](#), on page 3416
- [mtu](#), on page 3417
- [mtu](#), on page 3418

- [mtu](#), on page 3419
- [mtu](#), on page 3420
- [mtu](#), on page 3421
- [mtu](#), on page 3422
- [mtu](#), on page 3423
- [multi-topology](#), on page 3424
- [multicast](#), on page 3425
- [multicast flow-path disable-stats-table](#), on page 3426
- [multicast flow-path export](#), on page 3427
- [multicast service-reflect map interface](#), on page 3428
- [multiplier multiplier](#), on page 3429
- [multisite border-gateway interface](#), on page 3430
- [multisite ingress-replication](#), on page 3431
- [multisite mcast-group](#), on page 3432
- [multisite virtual-rmac](#), on page 3433
- [mvpn vri id](#), on page 3434
- [mvr-config](#), on page 3435
- [mvr-group](#), on page 3436
- [mvr-group](#), on page 3437
- [mvr-group](#), on page 3438
- [mvr-group](#), on page 3439
- [mvr-suppress-query vlan](#), on page 3440
- [mvr-type receiver](#), on page 3441
- [mvr-type source](#), on page 3442
- [mvr-vlan](#), on page 3443
- [mvr-vlan](#), on page 3444

m2rib debug log-size transactions

```
m2rib debug log-size transactions { { received | u2rib | mfdm | pixm | eltm } [ error-log ] | announced } {
<size> | small | medium | large } <size_bytes>
```

Syntax Description

m2rib	Configure m2rib
debug	Configure m2rib debug
log-size	Set log sizes
transactions	Set transaction log sizes
received	Set received transaction log size
announced	Set announced transaction log size
u2rib	Set U2RIB transaction log size
mfdm	Set MFDM transaction log size
pixm	Set PIXM transaction log size
eltn	Set ELTM transaction log size
error-log	(Optional) errors only log
<i>size</i>	Size in number of transactions
small	Set number of transactions default small log size (0 disables limits)
medium	Set number of transactions default medium log size
large	Set number of transactions default large log size
<i>size_bytes</i>	Max log size in number of bytes

Command Mode

- /exec/configure

mac-addr

```
{ mac-addr <dstmac> <smac> [ dot1q <dot1q-id> ] }
```

Syntax Description

mac-addr	Mac
<i>dstmac</i>	Destination mac address
<i>smac</i>	Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt

Command Mode

- /exec/configure/configngoamccpayload

mac-address

mac-address <mac_address_val> | no mac-address [<mac_address_val>]

Syntax Description

no	Negate a command or set its defaults
mac-address	Configure interface mac address (1)
<i>mac_address_val</i>	Static Router MAC address (1)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ether-sub /exec/configure/if-eth-non-member /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-ethernet-p2p

mac-address

mac-address { <macaddr> } | no mac-address

Syntax Description

no	Negate a command or set its defaults
mac-address	MAC address
<i>macaddr</i>	MAC address

Command Mode

- /exec/configure/dyn-loadbalancing

mac-address

mac-address <macaddress> | no mac-address [<macaddress>]

Syntax Description

no	Negate a command or set its defaults
mac-address	Virtual MAC address
<i>macaddress</i>	MAC address(FORMAT:xxxx.xxxx.xxxx)

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

mac-address

mac-address <mac-addr> | no mac-address

Syntax Description

no	Negate a command or set its defaults
mac-address	Manually set interface MAC address
<i>mac-addr</i>	MAC address

Command Mode

- /exec/configure/if-vlan-common

mac-address bpdu source version 2

[no] mac-address bpdu source version 2

Syntax Description

no	(Optional) Negate a command or set its defaults
mac-address	change vpc mac address
bpdu	bpdu
source	source
version	version
2	use version 2 bpdu source mac-address

Command Mode

- /exec/configure/vpc-domain

mac-address destination

{ mac-address { destination | source } <addr> } | { no mac-address { destination | source } }

Syntax Description

no	Negate a command or set its defaults
mac-address	specify flow mac address
source	specify flow source mac address
destination	specify flow destination mac address
<i>addr</i>	mac address

Command Mode

- /exec/configure/configngoamprofileflow

mac-address ipv6-extract

mac-address ipv6-extract | no mac-address ipv6-extract

Syntax Description

no	Negate a command or set its defaults
mac-address	Configure interface mac address (3)
ipv6-extract	Extract mac-address (3) from the IPv6 address configured on the interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ether-sub /exec/configure/if-eth-non-member /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel-sub /exec/configure/if-port-channel

mac-learn disable

mac-learn disable | no mac-learn disable

Syntax Description

no	Negate a command or set its defaults
mac-learn	Mac Learning disable/enable
disable	Mac Learning disable to use switch as a HUB. Do a clear mac address-table dynamic after disabling mac learning

Command Mode

- /exec/configure

mac-learn disable

mac-learn disable | no mac-learn disable

Syntax Description

no	Negate a command or set its defaults
mac-learn	Mac Learning disable/enable on vlan
disable	Mac Learning disable on vlan

Command Mode

- /exec/configure/vlan-config

mac-learn vlan

mac-learn vlan <id> | no mac-learn vlan <id>

Syntax Description

no	Negate a command or set its defaults
mac-learn	Mac Learning disable/enable
vlan	Enable / Disable MAC learn on VLAN. Do 'clear mac address-table dynamic vlan <arg>' after disabling mac learn
<i>id</i>	List of VLAN ids

Command Mode

- /exec/configure

mac-list permit

```
{ mac-list <maclist-name> [ seq <seq> ] { permit | deny } <mac-addr> [ <mac-mask> ] } | { no mac-list {
<maclist-name> | <maclist-name> } [ seq <seq> ] [ { permit | deny } <mac-addr> [ <mac-mask> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
mac-list	Build a mac list
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Known mac-list name
seq	(Optional) Sequence number of an entry
<i>seq</i>	(Optional) Sequence number
permit	Specify routes to forward
deny	Specify routes to reject
<i>mac-addr</i>	MAC address
<i>mac-mask</i>	(Optional) MAC Mask. Default Mask is ffff.ffff.ffff

Command Mode

- /exec/configure

mac-move policy

mac-move policy { [move-threshold <thresh> detect-intvl <d_intvl> hold-intvl <h_intvl>] } | no mac-move policy

Syntax Description

no	Negate a command
mac-move	Track individual MAC moves
policy	Policy parameters
move-threshold	(Optional) Max allowed moves
<i>thresh</i>	(Optional) Max allowed moves
detect-intvl	(Optional) Interval to track moves
<i>d_intvl</i>	(Optional) Interval to track moves
hold-intvl	(Optional) Interval to disable learning
<i>h_intvl</i>	(Optional) Interval to disable learning

Command Mode

- /exec/configure

mac access-list

[no] mac access-list <acl-mac-name> [client <clienttype> <clientID>]

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
access-list	Configure access list
<i>acl-mac-name</i>	List name
client	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clienttype</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>clientID</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

mac address-table aging-time

mac address-table aging-time { 0 | <seconds> } [{ vlan <vlan-id> }] [__readonly__ <info_str>] | no mac address-table aging-time [[0 | <seconds>]]

Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Aging time
0	0 disables aging
<i>seconds</i>	Aging time in seconds.
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) VLAN ID
__readonly__	(Optional)
<i>info_str</i>	(Optional) Information

Command Mode

- /exec/configure

mac address-table guard-vpc-peergw-mac

[no] mac address-table guard-vpc-peergw-mac

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
guard-vpc-peergw-mac	Prevent vPC Peer gateway MAC Spoofing

Command Mode

- /exec/configure

mac address-table limit

mac address-table limit { system | vlan <id> | interface <interface-name> } { <limitcount> } [__readonly__ <info_str>] | no mac address-table limit { system | vlan <id> | interface <interface-name> } [<limitcount>]

Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
limit	MAC Limit
system	System-wide
vlan	Configure dynamic MAC limit for VLAN
<i>id</i>	List of VLAN ids
interface	Interface
<i>interface-name</i>	Interface name
<i>limitcount</i>	Mac address limit count
__readonly__	(Optional)
<i>info_str</i>	(Optional) Information

Command Mode

- /exec/configure

mac address-table limit user-defined

mac address-table limit <value> user-defined | no mac address-table limit [<value>] user-defined

Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
limit	MAC Limit
<i>value</i>	user-defined mac limit
user-defined	limit the number of unique mac addresses used on any type of L3 interface

Command Mode

- /exec/configure

mac address-table loop-detect nve port-down

mac address-table loop-detect nve port-down | no mac address-table loop-detect nve port-down

Syntax Description

no	Negate a command
mac	MAC configuration commands
address-table	MAC
loop-detect	Action for Mac loop detection
nve	Configure NVE information
port-down	Take port-down action for mac loop detection

Command Mode

- /exec/configure

mac address-table loop-detect port-down

mac address-table loop-detect port-down | no mac address-table loop-detect port-down

Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC
loop-detect	Action for Mac loop detection
port-down	Take port-down action for mac loop detection

Command Mode

- /exec/configure

mac address-table multicast vlan interface

[no] mac address-table multicast <mac-address> { vlan <vlan> | bridge-domain <bdid> } interface [vsi] <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
<i>mac-address</i>	mcast MAC Address, not in Unicast IP Range
vlan	VLAN
<i>vlan</i>	VLAN
bridge-domain	BD
<i>bdid</i>	BD
interface	Interface
vsi	(Optional) Specify if this interface is a VSI
<i>interface</i>	Interface name

Command Mode

- /exec/configure

mac address-table notification mac-move

mac address-table notification mac-move | no mac address-table notification mac-move

Syntax Description

no	Negate a command
mac	MAC configuration commands
address-table	MAC Address Table
notification	Notify of mac-move
mac-move	MAC move notification on syslog

Command Mode

- /exec/configure

mac address-table notification threshold

mac address-table notification threshold [limit <percentage> interval <seconds>] | no mac address-table notification threshold

Syntax Description

no	Negate a command
mac	MAC configuration commands
address-table	MAC Address Table
notification	Notify of mac-move
threshold	MAC Address Table threshold notification
limit	(Optional) Specify the percentage limit beyond which notifications are enabled
<i>percentage</i>	(Optional) Percentage of MAC Table Consumption
interval	(Optional) Minimum time in seconds between two notifications
<i>seconds</i>	(Optional) Interval time in seconds

Command Mode

- /exec/configure

mac address-table static clear

mac address-table static clear | no mac address-table static clear

Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
static	Static Entry
clear	clear the static mac entry when interface is moved to down state

Command Mode

- /exec/configure

mac address-table static vlan interface

```
mac address-table static <mac-address> vlan <vlan-id> { interface <interface-name> | drop } [ auto-learn ] [
__readonly__ <info_str> ] | no mac address-table static <mac-address> vlan <vlan-id>
```

Syntax Description

no	Negate a command or set its defaults
mac	MAC configuration commands
address-table	MAC Address Table
static	Static Entry
<i>mac-address</i>	MAC Address
vlan	VLAN
<i>vlan-id</i>	VLAN ID
interface	Interface
<i>interface-name</i>	Interface name
drop	Drop all traffic
auto-learn	(Optional) Allow moving this MAC address
<i>__readonly__</i>	(Optional)
<i>info_str</i>	(Optional) Information

Command Mode

- /exec/configure

mac address-table static vni

mac address-table static <mac-address> vni <vni-id>

Syntax Description

mac	MAC configuration commands
address-table	MAC Address Table
static	Static Entry
<i>mac-address</i>	MAC Address
vni	Virtual Network Identifier
<i>vni-id</i>	VNI ID

Command Mode

- /exec/configure

mac address

[no] mac address { <macaddr> }

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	Configure vMAC address options for Pathway
address	Pathway will use a specified vMAC address
<i>macaddr</i>	48-bit MAC address in HEX

Command Mode

- /exec/configure/if-eth-any/vrrs

mac address inherit

mac address inherit

Syntax Description

mac	Configure vMAC address options for Pathway
address	Pathway will use a specified vMAC address
inherit	Pathway will inherit vMAC

Command Mode

- /exec/configure/if-eth-any/vrrs

mac advert interval

[no] mac advert interval | mac advert interval <macint>

Syntax Description

no	Negate a command or set its defaults
mac	Configure vMAC address options for Pathway
advert	Specify vMAC unsolicited advertisements
interval	Specify interval between vMAC unsolicited advertisements
<i>macint</i>	Advertisement Interval in seconds

Command Mode

- /exec/configure/if-eth-any/vrrs

mac packet-classify

[no] mac packet-classify

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
packet-classify	Force mac classification of packets

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-remote-ethernet-switch
/exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

mac packet-classify

[no] mac packet-classify

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC
packet-classify	Force mac classification of packets

Command Mode

- /exec/configure/vlan

mac port access-group

[no] mac port access-group <acl-mac-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	MAC configuration commands
port	Port policy
access-group	Specify access control for packets
<i>acl-mac-name</i>	List name

Command Mode

- /exec/configure/if-set-acl-l2

mac vsan

[no] mac <mac0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
mac	FCoE Device MAC address
<i>mac0</i>	MAC of the Device
vsan	VSAN id for device
<i>i1</i>	vsan id

Command Mode

- /exec/configure/dpvm-db

macsec eap

[no] macsec eap [policy <policy_name>]

Syntax Description

macsec	Specify MKA keychain and MACsec policy
eap	key chain pki mode
policy	(Optional) policy
<i>policy_name</i>	(Optional) name of the policy specified as a string

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-eth-base

macsec keychain macsec keychain

```
[no] macsec keychain <keychain_name> [ policy <policy_name> ] [ fallback-keychain <fallback_kc_name>
] | [ no ] macsec keychain <keychain_name> [ fallback-keychain <fallback_kc_name> ] [ policy <policy_name>
]
```

Syntax Description

macsec	Specify MKA keychain and MACsec policy
keychain	key chain
<i>keychain_name</i>	name of the keychain specified as a string
policy	(Optional) policy
<i>policy_name</i>	(Optional) name of the policy specified as a string
fallback-keychain	(Optional) fallback keychain
<i>fallback_kc_name</i>	(Optional) Name of fallback keychain specified as a string

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-eth-base

macsec policy

[no] macsec policy <policy_name>

Syntax Description

macsec	Configure MACSEC
policy	Configure MACSEC policy
<i>policy_name</i>	Name of Policy

Command Mode

- /exec/configure

macsec shutdown

[no] macsec shutdown

Syntax Description

macsec	Configure MACSEC
shutdown	shutdown / restart macsec

Command Mode

- /exec/configure

managed-config-flag

[no] managed-config-flag <state>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>state</i>	

Command Mode

- /exec/configure/config-ra-guard

management

[no] management

Syntax Description

no	(Optional) Negate a command or set its defaults
management	Allow in-band management access to VLAN Interface IP address

Command Mode

- /exec/configure/if-vlan-common

map-notify-group

```
{ [ no ] map-notify-group { <addr> | <addr6> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
map-notify-group	Group address to send and receive site specific Map-Notify messages
<i>addr</i>	IPv4 group address

Command Mode

- /exec/configure/lisp-dynamic-oid /exec/configure/vrf/lisp-dynamic-oid

map-server key

```
{ { [ no ] map-server { <ms> | <ms6> } [ key-type { sha1 | sha2 } ] key <key> } | { [ no ] map-server { <ms> | <ms6> } proxy-reply } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
map-server	To interact with Map-Server
<i>ms</i>	Address of IPv4 map-server
key-type	(Optional) Authentication key type, either sha1 or sha2
sha1	(Optional) Use sha1 authentication in Map-Register messages
sha2	(Optional) Use sha2 authentication in Map-Register messages
key	Authentication key used with Map-Server
<i>key</i>	SHA-1 password key
proxy-reply	Request Map-Server to send Map-Replies on behalf of dynamic-EID

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

marker-packet-n3500

[no] marker-packet-n3500 [<interval> | seconds <interval1> | milliseconds <interval2>]

Syntax Description

no	(Optional) Negate a command or set its defaults
marker-packet-n3500	Enable/Disable send marker packet
<i>interval</i>	(Optional) range between <1-4> second
seconds	(Optional) Configure interval in secs
<i>interval1</i>	(Optional) range between <1-4> second
milliseconds	(Optional) Interval in milli second.
<i>interval2</i>	(Optional) range between <100-900> msec, increments in multiples of 100

Command Mode

- /exec/configure/config-monitor-erspan-src

marker-packet

[no] marker-packet [<interval>]

Syntax Description

no	(Optional) Negate a command or set its defaults
marker-packet	Enable/Disable send marker packet
<i>interval</i>	(Optional)

Command Mode

- /exec/configure/config-monitor-erspan-src

match-address

[no] match-address

Syntax Description

no	(Optional) Negate a command or set its defaults
match-address	Match addresses in advertisement packets

Command Mode

- /exec/configure/if-eth-any/vrrpv3

match

[no] match { ip address <acl-ip-name> | ipv6 address <acl-ipv6-name> | mac address <acl-mac-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify the match clause
ip	Display IP information
ipv6	Display IPv6 information
mac	MAC configuration commands
address	Match an access list
<i>acl-mac-name</i>	List name
<i>acl-ip-name</i>	List name
<i>acl-ipv6-name</i>	List name

Command Mode

- /exec/configure/vacl

match

[no] match { <ser-def-name> | all } [source-interface <vlans>]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify service to match
<i>ser-def-name</i>	Service definition name
all	To match on all Service definitions
source-interface	(Optional) Specify source Vlans for services
<i>vlans</i>	(Optional) mDNS vlan number or vlan range, example: 1,3-5,7,9-11

Command Mode

- /exec/configure/mdns-sl-out

match

```
[no] match { { access-group name <acl-name> } | [ not ] { dscp [ tunnel ] { <dscp-list> | { <dscp-enum> } + } | { { packet length <len-list> | ip rtp <port-list> } [ replace ] } | { cos <cos-list> } | { qos-group <qos-group-list> } | { precedence { <precedence-list> | { <prec-enum> } + } } | { protocol <protocol-enum> } | { mpls experimental topmost <exp-list> } | { ip roce <port-list> } } }
```

Syntax Description

<i>dscp-list</i>	<dscp-enum>
<i>cos-list</i>	
<i>precedence-list</i>	<prec-enum>
no	(Optional) Negate a command or set its defaults
replace	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
match	Classification criteria
not	(Optional) Negate this match result
access-group	Access group
name	Named Access List
<i>acl-name</i>	Access List name
dscp	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) match dscp in Outer header
<i>dscp-enum</i>	
cos	IEEE 802.1Q Class of Service
qos-group	Qos-group
<i>qos-group-list</i>	List of qos-group values
precedence	Precedence in IP(v4) and IPv6 packets
<i>prec-enum</i>	
protocol	Protocol
<i>protocol-enum</i>	
packet	Packet
length	Length of IP datagram
<i>len-list</i>	List of IP packet length

ip	IP
rtp	Real Time Protocol
<i>port-list</i>	UDP port list that are using RTP
mpls	Match on MPLS label
experimental	Match on MPLS Experimental label
topmost	Match on topmost MPLS label
ip	IP
roce	Roce protocol. port to be used 3804
<i>port-list</i>	UDP port list that are using RoCE
<i>exp-list</i>	List of MPLS exp values

Command Mode

- /exec/configure/class-map

match

```
[no] match { [ not ] { { discard-class <discard-class-list> } | { class-map <cmap-name> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
not	(Optional) Negate this match result
discard-class	Discard class
<i>discard-class-list</i>	List of discard-class values
class-map	Class map
<i>cmap-name</i>	Match class-map name

Command Mode

- /exec/configure/class-map

match

```
[no] match { { access-group name <acl-name> } | [ not ] { { cos <cos-value> } | any | { eth-src <mac_src>
<mac_src_wild> } | { eth-dest <mac_dest> <mac_dest_wild> } | { eth-type <eth-value> } | { vlan
<vlan-number> } | { ip-tos <tos-value> <tos-mask> } | { ip-protocol <ip-protocol-value> } | { ip-src-addr
<ip-s-addr> <ip-s-mask> } | { ip-dst-addr <ip-d-addr> <ip-d-mask> } | { tcp-src-port <tcp-src-port-addr> } |
{ tcp-dst-port <tcp-dst-port-addr> } | { udp-src-port <udp-src-port-addr> } | { udp-dst-port
<udp-dst-port-addr> } | { input-interface <ifnum> } | { ipv6-src-addr <ipv6-s-addr> <ipv6-s-mask> } | {
ipv6-dst-addr <ipv6-d-addr> <ipv6-d-mask> } | { ipv6-protocol <ipv6-protocol-value> } | { ipv6-flowlabel
<ipv6-flowlabel-value> } | { icmpv6-type <icmpv6-type-value> } | { icmpv6-code <icmpv6-code-value> } |
{ ipv4-dscp <ipv4-dscp-list> } | { ipv6-dscp <ipv6-dscp-list> } | { dscp { <dscp-list> | <dscp-enum> } + } |
{ precedence { <precedence-list> | <prec-enum> } + } | { discard-class <discard-class-list> } | { qos-group
<qos-group-list> } | { class-map <cmap-name-plc> } | { protocol <protocol-enum> } | { packet length <len-list>
} | { ip rtp <port-list> } | { mpls experimental topmost <exp-list> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
not	(Optional) Negate this match result
access-group	Access group
name	Named Access List
<i>acl-name</i>	Access List name
cos	IEEE 802.1Q class of service
dscp	DSCP in IP(v4) and IPv6 packets
<i>dscp-list</i>	List of DSCP values
<i>dscp-enum</i>	
precedence	Precedence in IP(v4) and IPv6 packets
<i>precedence-list</i>	List of precedence values
<i>prec-enum</i>	
discard-class	Discard class
<i>discard-class-list</i>	List of discard-class values
qos-group	Qos-group
<i>qos-group-list</i>	List of qos-group values
class-map	Class map
<i>cmap-name-plc</i>	Match class-map name

protocol	Protocol
<i>protocol-enum</i>	
packet	Packet
length	Length of IP datagram
<i>len-list</i>	list of IP packet length
ip	IP
rtp	Real Time Protocol
<i>port-list</i>	UDP port list that are using RTP
mpls	Match on MPLS label
experimental	Match on MPLS Experimental label
topmost	Match on topmost MPLS label
<i>exp-list</i>	List of MPLS exp values
any	Match on Any Filter
eth-dest	Match on Layer 2 destination MAC address
eth-src	Match on Layer 2 source MAC address
eth-type	Match on Ether type
vlan	Match on 802.1Q vlan
ip-tos	Match on IPv4 TOS
ip-protocol	Match on IP protocol
ip-src-addr	Match on IPv4 source address
ip-dst-addr	Match on IPv4 destination address
ipv6-src-addr	Match on IPv6 source address
ipv6-dst-addr	Match on IPv6 destination address
tcp-src-port	Match on TCP source port
tcp-dst-port	Match on TCP source port
udp-src-port	Match on UDP source port
udp-dst-port	Match on UDP source port
input-interface	Match on physical input interface
ipv6-protocol	Match on IPv6 Protocol Value

<i>ipv6-flowlabel</i>	Match on IPv6 Flowlabel
<i>icmpv6-type</i>	Match on ICMPv6 Message Type
<i>icmpv6-code</i>	Match on ICMPv6 Message Code
<i>ipv4-dscp</i>	Match on DSCP for IPV4 Packets
<i>ipv6-dscp</i>	Match on DSCP for IPV6 Packets
<i>cos-value</i>	class of service Value
<i>mac_src</i>	Source MAC address
<i>mac_src_wild</i>	Source MAC mask
<i>mac_dest</i>	Destination MAC address
<i>mac_dest_wild</i>	Destination MAC mask
<i>eth-value</i>	Ethernet type
<i>vlan-number</i>	Vlan number
<i>tos-value</i>	IPv4 TOS
<i>tos-mask</i>	IPv4 TOS Mask for DSCP
<i>ip-protocol-value</i>	IPV4 protocol
<i>ip-s-addr</i>	IPV4 address in format a.b.c.d
<i>ip-d-addr</i>	IPV4 address in format a.b.c.d
<i>ip-s-mask</i>	IPV4 address Mask in format a.b.c.d
<i>ip-d-mask</i>	IPV4 address Mask in format a.b.c.d
<i>tcp-src-port-addr</i>	Transport layer port number
<i>tcp-dest-port-addr</i>	Transport layer port number
<i>udp-src-port-addr</i>	Transport layer port number
<i>udp-dest-port-addr</i>	Transport layer port number
<i>ifnum</i>	Physical interface Name and Number
<i>ipv6-protocol-value</i>	IPv6 Protocol Value
<i>ipv6-flowlabel-value</i>	IPv6 Flowlabel
<i>icmpv6-type-value</i>	ICMPv6 Message Type
<i>icmpv6-code-value</i>	ICMPv6 Message Code
<i>ipv4-dscp-list</i>	List of IPV4 DSCP values

<i>ipv6-dscp-list</i>	List of IPV6 DSCP values
-----------------------	--------------------------

Command Mode

- /exec/configure/class-map/type/plc

match access-group name

[no] match access-group name <acs-grp-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
access-group	Match with given access group
name	Name of the access group
<i>acs-grp-name</i>	Match parameter for class-map

Command Mode

- /exec/configure/cmap

match as-number

[no] match as-number [{ <asnum> | <asnum_range> } +] { <asnum_trail> | <asnum_range_trail> }

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
as-number	Match BGP peer AS number
<i>asnum</i>	(Optional) <AA4> ,
<i>asnum_range</i>	(Optional) <AA4>-<AA4> ,
<i>asnum_trail</i>	<AA4> ,
<i>asnum_range_trail</i>	<AA4>-<AA4> ,

Command Mode

- /exec/configure/route-map

match as-number as-path-list

match as-number as-path-list <aspl-name> + | no match as-number as-path-list { <aspl-name> | <aspl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
as-number	Match BGP peer AS number
as-path-list	AS-path access-list
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	Known as-path access-list name

Command Mode

- /exec/configure/route-map

match as-path

match as-path <aspl-name> + | no match as-path { <aspl-name> | <aspl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
as-path	Match BGP AS path list
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	AS path access list name
<i>aspl-name</i>	Known as-path access-list name

Command Mode

- /exec/configure/route-map

match class-map

[no] match class-map < cmap-name >

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
class-map	Class map
<i>cmap-name</i>	class map name

Command Mode

- /exec/configure/class-map/type/queuing

match community

[no] match community <name> + [exact-match]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
community	Match BGP community list
<i>name</i>	Community list name
exact-match	(Optional) Do exact matching of communities

Command Mode

- /exec/configure/route-map

match connected-endpoints vrf ipv4

[no] match connected-endpoints vrf { <vrf-name> | <vrf-known-name> } ipv4 <px>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match criteria for ESG selector under security-group
connected-endpoints	Match connected endpoints
vrf	VRF name for connected endpoints
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
ipv4	Match IPv4 connected endpoints
<i>px</i>	IPv4 prefix network/length (e.g., 35.0.0.0/8)

Command Mode

- /exec/configure/security-group

match connected-endpoints vrf ipv6

[no] match connected-endpoints vrf { <vrf-name> | <vrf-known-name> } ipv6 <px>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match criteria for ESG selector under security-group
connected-endpoints	Match connected endpoints
vrf	VRF name for connected endpoints
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
ipv6	Match IPv6 connected endpoints

Command Mode

- /exec/configure/security-group

match cos

[no] match cos <cos-list>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
cos	IEEE 802.1Q class of service
<i>cos-list</i>	List of class-of-service values

Command Mode

- /exec/configure/class-map/type/uf

match cos

[no] match cos <cos-list>

Syntax Description

<i>cos-list</i>	
no	(Optional) Negate a command or set its defaults
match	Classification criteria
cos	IEEE 802.1Q Class of Service

Command Mode

- /exec/configure/class-map/type/queuing

match datalink

[no] match datalink { mac source-address | mac destination-address | ethertype | vlan }

Syntax Description

match	Specify a key field
datalink	datalink (Layer 2) attributes
mac	MAC Address
source-address	Source MAC Address
destination-address	Destination MAC Address
ethertype	Ethertype
vlan	VLAN ID

Command Mode

- /exec/configure/nfm-record

match datalink

[no] match datalink { mac source-address | mac destination-address | ethertype }

Syntax Description

match	Specify a key field
datalink	datalink (Layer 2) attributes
mac	MAC Address
source-address	Source MAC Address
destination-address	Destination MAC Address
ethertype	Ethertype

Command Mode

- /exec/configure/config-fte-record

match dscp

[no] match dscp { <dscp-list> } +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
dscp	DSCP in IP(v4) packets
<i>dscp-list</i>	List of DSCP values

Command Mode

- /exec/configure/class-map/type/queuing

match dscp

[no] match dscp { <dscp-list> | <dscp-enum> } +

Syntax Description

<i>dscp-list</i>	<dscp-enum>
no	(Optional) Negate a command or set its defaults
match	Classification criteria
dscp	DSCP in IP(v4) and IPv6 packets
<i>dscp-enum</i>	

Command Mode

- /exec/configure/color-cmap

match evpn route-type

[no] match evpn route-type { 1 | 2 | 2-mac-only | 2-mac-ip | 3 | 4 | 5 | 6 } +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
evpn	Match BGP EVPN Routes
route-type	Match route type for evpn route
<i>1</i>	1

Command Mode

- /exec/configure/route-map

match exception

```
[no] match exception { { { ip | ipv6 } { option | { icmp { redirect | unreachable } } | multicast } } | ttl-failure
| glean | mtu-failure | nat-flow | sflow | span | mvpn | vxlan-stp | { multicast { rpf-failure | sg-rpf-failure |
dest-miss | ipv6-rpf-failure | ipv6-sg-rpf-failure | ipv6-dest-miss } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
exception	Match exception packets
ip	ipv4 match criteria
ipv6	ipv6 match criteria
option	Match ip/ipv6 option exception packets
icmp	Icmp redirect packets
redirect	Send redirected packets back to sender
unreachable	Send unreachable packets back to sender
municast	IP unicast packets with multicast MAC
ttl-failure	Failed in ttl
mtu-failure	mtu-failure
glean	Glean packets
multicast	multicast packets
rpf-failure	multicast rpf check failure
sg-rpf-failure	multicast sg rpf check failure
dest-miss	L3 multicast destination lookup failure
ipv6-rpf-failure	IPv6 multicast rpf check failure
ipv6-sg-rpf-failure	IPv6 multicast sg rpf check failure
ipv6-dest-miss	IPv6 L3 multicast destination lookup failure
nat-flow	ipv4 software nat flow packets
sflow	sflow packets
span	span packets
mvpn	mvpn

vxlan-stp	vxlan-stp
-----------	-----------

Command Mode

- /exec/configure/cmap

match extcommunity

[no] match extcommunity <name> + [exact-match]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
extcommunity	Match BGP community list
<i>name</i>	Extended Community list name
exact-match	(Optional) Do exact matching of extended communities

Command Mode

- /exec/configure/route-map

match external-subnets vrf ipv4

[no] match external-subnets vrf { <vrf-name> | <vrf-known-name> } ipv4 <px>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match criteria for ESG selector under security-group
external-subnets	Match external subnets
vrf	VRF name for external subnets
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
ipv4	Match IPv4 external subnets
<i>px</i>	IPv4 prefix network/length (e.g., 35.0.0.0/8)

Command Mode

- /exec/configure/security-group

match external-subnets vrf ipv6

[no] match external-subnets vrf { <vrf-name> | <vrf-known-name> } ipv6 <px>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match criteria for ESG selector under security-group
external-subnets	Match external subnets
vrf	VRF name for external subnets
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
ipv6	Match IPv6 external subnets

Command Mode

- /exec/configure/security-group

match interface

[no] match interface <iface> +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
interface	Match first hop interface of route
<i>iface</i>	Interface name

Command Mode

- /exec/configure/route-map

match interface

[no] match interface <iface>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match criteria for ESG selector under security-group
interface	match a specific interface
<i>iface</i>	Interface name

Command Mode

- /exec/configure/security-group

match ip address

[no] match ip address <acl-name> [<traffic-action>] [vlan { <vlan-range> | all }]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ip	Configure IP features
address	Match criteria
<i>acl-name</i>	IP access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

Command Mode

- /exec/configure/epbr-policy

match ip address

[no] match ip address <name> +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
address	Match address of route or match packet
<i>name</i>	IP access-list name (for use in route-maps for PBR only)

Command Mode

- /exec/configure/route-map

match ip address

[no] match ip address <acl-name> [<traffic-action>] [vlan { <vlan-range> | all }]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ip	Configure IP features
address	Match criteria
<i>acl-name</i>	IP access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

Command Mode

- /exec/configure/epbr-sess-policy

match ip address prefix-list

match ip address prefix-list <ipv4-pfl-name> + | no match ip address prefix-list { <ipv4-pfl-name> | <ipv4-pfl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
address	Match address of route or match packet
prefix-list	Match entries of prefix-lists
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name

Command Mode

- /exec/configure/route-map

match ip multicast rp

```
{ match ip multicast { { rp <iprp> [ rp-type <iprptype> ] } | { group <gprefix> } | { source <ipsrc> } } + } |
{ match ip multicast { { rp <iprp> [ rp-type <iprptype> ] } | { group-range <gaddr_start> to <gaddr_end> }
| { source <ipsrc> } } + } | { no match ip multicast }
```

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
multicast	Match multicast attributes
rp	Rendezvous point
<i>iprp</i>	IPv4 rendezvous prefix
rp-type	(Optional) Multicast rendezvous point type
<i>iprptype</i>	(Optional) IPv4 rendezvous point type
group	Multicast Group prefix
<i>gprefix</i>	IPv4 group prefix
group-range	Multicast Group address range
<i>gaddr_start</i>	First Group address
to	Range
<i>gaddr_end</i>	Last Group address
source	Multicast source address
<i>ipsrc</i>	IPv4 source prefix

Command Mode

- /exec/configure/route-map

match ip next-hop prefix-list

match ip next-hop prefix-list <ipv4-pfl-name> + | no match ip next-hop prefix-list { <ipv4-pfl-name> | <ipv4-pfl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
next-hop	Match next-hop address of route
prefix-list	Match entries of prefix-lists
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name

Command Mode

- /exec/configure/route-map

match ip protocol

[no] match ip { protocol | tos }

Syntax Description

match	Specify a key field
ip	IP attributes
protocol	Protocol
tos	TOS

Command Mode

- /exec/configure/analytics/record

match ip protocol

[no] match ip { protocol | tos }

Syntax Description

match	Specify a key field
ip	IP attributes
protocol	Protocol
tos	TOS

Command Mode

- /exec/configure/nfm-record

match ip protocol

[no] match ip { protocol | tos }

Syntax Description

match	Specify a key field
ip	IP attributes
protocol	Protocol
tos	TOS

Command Mode

- /exec/configure/nfm-record

match ip route-source prefix-list

match ip route-source prefix-list <ipv4-pfl-name> + | no match ip route-source prefix-list { <ipv4-pfl-name> | <ipv4-pfl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ip	Configure IP features
route-source	Match advertising source address of route
prefix-list	Match entries of prefix-lists
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Name of prefix-list
<i>ipv4-pfl-name</i>	Known prefix-list name

Command Mode

- /exec/configure/route-map

match ip source address

[no] match ip { source | destination } address

Syntax Description

match	Specify a key field
ip	IPv4 source/destination
source	Source Address
destination	Destination Address
address	Address

Command Mode

- /exec/configure/nfm-record

match ip source address

[no] match ip { source | destination } address

Syntax Description

match	Specify a key field
ip	IPv4 source/destination
source	Source Address
destination	Destination Address
address	Address

Command Mode

- /exec/configure/analytics/record

match ipv4 protocol

[no] match ipv4 { protocol | tos }

Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
protocol	Protocol
tos	TOS

Command Mode

- /exec/configure/config-fte-record

match ipv4 source address

[no] match ipv4 { source | destination } address

Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
source	Source Address
destination	Destination Address
address	Address

Command Mode

- /exec/configure/nfm-record

match ipv4 source address

[no] match ipv4 { source | destination } address

Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
source	Source Address
destination	Destination Address
address	Address

Command Mode

- /exec/configure/config-fte-record

match ipv4 transport destination

[no] match ipv4 transport { destination-port | source-port }

Syntax Description

match	Specify a key field
ipv4	IPv4 attributes
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

Command Mode

- /exec/configure/config-fte-record

match ipv6

```
[no] match ipv6 { { { source | destination } address } | { flow-label | options } }
```

Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
source	Source Address
destination	Destination Address
address	Address
flow-label	Flow label
options	Options

Command Mode

- /exec/configure/nfm-record

match ipv6

```
[no] match ipv6 { { { source | destination } address } | { flow-label } }
```

Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
source	Source Address
destination	Destination Address
address	Address
flow-label	Flow label

Command Mode

- /exec/configure/config-fte-record

match ipv6 address

[no] match ipv6 address <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
address	Match address of route or match packet
<i>name</i>	IPv6 access-list name (for use in route-maps for PBR only)

Command Mode

- /exec/configure/route-map

match ipv6 address

[no] match ipv6 address <acl-name> [<traffic-action>] [vlan { <vlan-range> | all }]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ipv6	Configure IPv6 features
address	Match criteria
<i>acl-name</i>	IPv6 access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

Command Mode

- /exec/configure/epbr-policy

match ipv6 address

```
[no] match ipv6 address <acl-name> [ <traffic-action> ] [ vlan { <vlan-range> | all } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
ipv6	Configure IPv6 features
address	Match criteria
<i>acl-name</i>	IPv6 access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

Command Mode

- /exec/configure/epbr-sess-policy

match ipv6 address prefix-list

match ipv6 address prefix-list <ipv6-pfl-name> + | no match ipv6 address prefix-list { <ipv6-pfl-name> | <ipv6-pfl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
address	Match address of route or match packet
prefix-list	Match entries of prefix-lists
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name

Command Mode

- /exec/configure/route-map

match ipv6 multicast rp

```
{ match ipv6 multicast { { rp <ipv6rp> [ rp-type <ipv6rptype> ] } | { group <gprefix> } | { source <ipv6src> } } + } | { match ipv6 multicast { { rp <ipv6rp> [ rp-type <ipv6rptype> ] } | { group-range <gaddr_start> to <gaddr_end> } | { source <ipv6src> } } + } | { no match ipv6 multicast }
```

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
multicast	Match multicast attributes
rp	Rendezvous point
rp-type	(Optional) Multicast rendezvous point type
<i>ipv6rptype</i>	(Optional) IPv6 rendezvous point type
group	Multicast group address
group-range	Multicast Group address range
to	Range
source	Multicast source address

Command Mode

- /exec/configure/route-map

match ipv6 next-hop prefix-list

match ipv6 next-hop prefix-list <ipv6-pfl-name> + | no match ipv6 next-hop prefix-list { <ipv6-pfl-name> | <ipv6-pfl-name> } +

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
next-hop	Match next-hop address of route
prefix-list	Match entries of prefix-lists
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name

Command Mode

- /exec/configure/route-map

match ipv6 protocol

[no] match ipv6 { protocol | tos }

Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
protocol	Protocol
tos	TOS

Command Mode

- /exec/configure/config-fte-record

match ipv6 route-source prefix-list

```
match ipv6 route-source prefix-list <ipv6-pfl-name> + | no match ipv6 route-source prefix-list {  
<ipv6-pfl-name> | <ipv6-pfl-name> } +
```

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
ipv6	Configure IPv6 features
route-source	Match advertising source address of route
prefix-list	Match entries of prefix-lists
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Name of prefix-list
<i>ipv6-pfl-name</i>	Known prefix-list name

Command Mode

- /exec/configure/route-map

match ipv6 transport destination

[no] match ipv6 transport { destination-port | source-port }

Syntax Description

match	Specify a key field
ipv6	IPv6 attributes
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

Command Mode

- /exec/configure/config-fte-record

match l2 address

[no] match l2 address <acl-name> [<traffic-action>] [vlan { <vlan-range> | all }]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
l2	Configure L2 features
address	Match criteria
<i>acl-name</i>	mac access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

Command Mode

- /exec/configure/epbr-policy

match l2 address

[no] match l2 address <acl-name> [<traffic-action>] [vlan { <vlan-range> | all }]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match entry for the service
l2	Configure L2 features
address	Match criteria
<i>acl-name</i>	mac access-list name
vlan	(Optional) user vlans for the service chain
<i>vlan-range</i>	(Optional) range of vlans
all	(Optional) all vlans
<i>traffic-action</i>	(Optional) Action on traffic

Command Mode

- /exec/configure/epbr-sess-policy

match large-community

[no] match large-community <name> + [exact-match]

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
large-community	Add a large community list entry
<i>name</i>	Standard large community list name
exact-match	(Optional) Do exact matching of large communities

Command Mode

- /exec/configure/route-map

match mac-list

match mac-list [dest] <maclist-name> + | no match mac-list [dest] { <maclist-name> | <maclist-name> }
+

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
mac-list	Match entries of mac-lists
dest	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Name of mac-list
<i>maclist-name</i>	Known mac-list name

Command Mode

- /exec/configure/route-map

match message-type

[no] match { <ser-def-name> | all } message-type { any | announcement | query }

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify service to match
<i>ser-def-name</i>	Service definition name
all	To match on all Service definitions
message-type	To set the message type
any	Match Any
query	Match Query
announcement	Match Announcement/Responses

Command Mode

- /exec/configure/mdns-sl-in

match message-type

```
[no] match { <ser-def-name> | all } message-type { any | announcement | query } [ source-interface <vlans> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Specify service to match
<i>ser-def-name</i>	Service definition name
all	To match on all Service definitions
message-type	To set the message type
any	Match Any
query	Match Query
announcement	Match Announcement/Responses
source-interface	(Optional) Specify source Vlans for services
<i>vlans</i>	(Optional) mDNS vlan number or vlan range, example: 1,3-5,7,9-11

Command Mode

- /exec/configure/mdns-ctrl-sl

match metric

[no] match metric { <measure> [<plus-minus> <deviation>] } +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
metric	Match metric of route
<i>plus-minus</i>	(Optional) +/-
<i>measure</i>	Metric value
<i>deviation</i>	(Optional) Deviation value

Command Mode

- /exec/configure/route-map

match ospf-area

[no] match ospf-area <area> +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
ospf-area	Match ospf area
<i>area</i>	area id

Command Mode

- /exec/configure/route-map

match protocol arp

```
[no] match protocol { arp | mpls [ router-alert | exp <exp_value> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
protocol	Protocol
arp	IP ARP
mpls	Multi-protocol Label Switching
router-alert	(Optional) Match packets with router-alert label set to 1 for OTV Overlay frames
exp	(Optional) Match packets on MPLS exp bits
<i>exp_value</i>	(Optional) Exp bits value

Command Mode

- /exec/configure/cmap

match qos-group

[no] match qos-group { <qos-group-list> } +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group	QoS Group
<i>qos-group-list</i>	List of qos-group values

Command Mode

- /exec/configure/class-map/type/queuing

match qos-group2

[no] match qos-group2 <qos-group-list>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group2	QoS Group
<i>qos-group-list</i>	

Command Mode

- /exec/configure/class-map/type/uf

match qos-group2

[no] match qos-group2 { <qos-group-list> }

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group2	QoS Group
<i>qos-group-list</i>	

Command Mode

- /exec/configure/class-map/type/queuing

match qos-group

[no] match qos-group <qos-group-list>

Syntax Description

<i>qos-group-list</i>	
no	(Optional) Negate a command or set its defaults
match	Classification criteria
qos-group	QoS Group

Command Mode

- /exec/configure/class-map/type/uf

match redirect

[no] match redirect <opt_match_redirect>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Classification criteria
redirect	Match redirected packets
<i>opt_match_redirect</i>	Match criteria for redirected packets

Command Mode

- /exec/configure/cmap

match route-type

[no] match route-type { external | internal | level-1 | level-2 | local | nssa-external | type-1 | type-2 | inter-area | intra-area | redistributed-direct } +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
route-type	Match route-type of route
external	external route (BGP, EIGRP and OSPF type 1/2)
internal	internal route (including OSPF intra/inter area)
level-1	IS-IS level-1 route
level-2	IS-IS level-2 route
local	locally generated route
nssa-external	nssa-external route (OSPF type 1/2)
type-1	OSPF external type 1 route
type-2	OSPF external type 2 route
inter-area	OSPF inter area route
intra-area	OSPF intra area route
redistributed-direct	Redistributed direct route (BGP)

Command Mode

- /exec/configure/route-map

match rpki valid

```
{ match rpki { valid | not-found | invalid } } | { no match rpki [ valid | not-found | invalid ] }
```

Syntax Description

no	Negate a command or set its defaults
match	Match values from routing table
rpki	Match rpki state
valid	RPKI state received is valid
not-found	RPKI state received is not-found
invalid	RPKI state received is invalid

Command Mode

- /exec/configure/route-map

match source-protocol

[no] match source-protocol <src_prot> +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
source-protocol	Match source protocol
<i>src_prot</i>	Protocol instance name

Command Mode

- /exec/configure/route-map

match tag

[no] match tag <tagid> +

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match values from routing table
tag	Match tag of route
<i>tagid</i>	Tag value

Command Mode

- /exec/configure/route-map

match transport destination

[no] match transport { destination-port | source-port }

Syntax Description

match	Specify a key field
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

Command Mode

- /exec/configure/nfm-record

match transport destination

[no] match transport { destination-port | source-port }

Syntax Description

match	Specify a key field
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

Command Mode

- /exec/configure/nfm-record

match transport destination

[no] match transport { destination-port | source-port }

Syntax Description

match	Specify a key field
transport	Transport layer fields
destination-port	Transport destination port
source-port	Transport source port

Command Mode

- /exec/configure/analytics/record

match vlan

[no] match vlan <vlan-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
match	Match criteria for ESG selector under security-group
vlan	Match a specific vlan-id or range(s) of vlan-ids
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure/security-group

max-lsa

[no] max-lsa <maximum-number> [<threshold>] [warning-only | [ignore-time <ignore-time-minutes>] [ignore-count <ignore-count-number>] [reset-time <reset-time-minutes>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
max-lsa	Feature to limit the number of non-self-originated LSAs
<i>maximum-number</i>	Set maximum number of non self-generated LSAs
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
ignore-time	(Optional) Set time during which all adjacencies are suppressed
<i>ignore-time-minutes</i>	(Optional) ignore-time in minutes
ignore-count	(Optional) Set count on how many times adjacencies can be suppressed
<i>ignore-count-number</i>	(Optional) ignore-count
reset-time	(Optional) Set number of minutes after which ignore-count is reset to zero
<i>reset-time-minutes</i>	(Optional) reset-time in minutes

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

max-lsa

[no] max-lsa <maximum-number> [<threshold>] [warning-only | [ignore-time <ignore-time-minutes>] [ignore-count <ignore-count-number>] [reset-time <reset-time-minutes>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
max-lsa	Feature to limit the number of non-self-originated LSAs
<i>maximum-number</i>	Set maximum number of non self-generated LSAs
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
ignore-time	(Optional) Set time during which all adjacencies are suppressed
<i>ignore-time-minutes</i>	(Optional) ignore-time in minutes
ignore-count	(Optional) Set count on how many times adjacencies can be suppressed
<i>ignore-count-number</i>	(Optional) ignore-count
reset-time	(Optional) Set number of minutes after which ignore-count is reset to zero
<i>reset-time-minutes</i>	(Optional) reset-time in minutes

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

max-lsp-lifetime

max-lsp-lifetime <lifetime> | no max-lsp-lifetime [<lifetime>]

Syntax Description

no	Negate a command or set its defaults
max-lsp-lifetime	Set maximum LSP lifetime
<i>lifetime</i>	Maximum LSP lifetime in seconds

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

max-lsp-lifetime

max-lsp-lifetime <lifetime> | no max-lsp-lifetime [<lifetime>]

Syntax Description

no	Negate a command or set its defaults
max-lsp-lifetime	Set maximum LSP lifetime
<i>lifetime</i>	Maximum LSP lifetime in seconds

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

max-lsp-lifetime

max-lsp-lifetime <lifetime> | no max-lsp-lifetime [<lifetime>]

Syntax Description

no	Negate a command or set its defaults
max-lsp-lifetime	Set maximum LSP lifetime
<i>lifetime</i>	Maximum LSP lifetime in seconds

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

max-metric router-lsa

```
[no] max-metric router-lsa [ external-lsa [ <max-metric-extlsa> ] ] [ include-stub ] [ on-startup [ <timeout> ]
[ wait-for bgp <as> ] ] [ summary-lsa [ <max-metric-sumlsa> ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
max-metric	Maximize the cost metric
router-lsa	Router LSA
external-lsa	(Optional) External LSAs
<i>max-metric-extlsa</i>	(Optional) Max metric value for external LSAs
include-stub	(Optional) Advertise Max metric for Stub links as well
on-startup	(Optional) Effective only at startup
<i>timeout</i>	(Optional) Wait period in seconds after startup
wait-for	(Optional) Wait for an event to advertise normal metric
bgp	(Optional) BGP Convergence
<i>as</i>	(Optional) ASN of BGP to wait for
summary-lsa	(Optional) Summary LSAs
<i>max-metric-sumlsa</i>	(Optional) Max metric value for summary LSAs

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

max-metric router-lsa

```
[no] max-metric router-lsa [ external-lsa [ <max-metric-extlsa> ] ] [ stub-prefix-lsa ] [ on-startup [ <timeout> ] ] [ wait-for bgp <as> ] ] [ inter-area-prefix-lsa [ <max-metric-sumlsa> ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
max-metric	Maximize the cost metric
router-lsa	Router LSA
external-lsa	(Optional) External LSAs
<i>max-metric-extlsa</i>	(Optional) Max metric value for external LSAs
stub-prefix-lsa	(Optional) Advertise Max metric for Stub links as well
on-startup	(Optional) Effective only at startup
<i>timeout</i>	(Optional) Wait period in seconds after startup
wait-for	(Optional) Wait for an event to advertise normal metric
bgp	(Optional) BGP Convergence
<i>as</i>	(Optional) ASN of BGP to wait for
inter-area-prefix-lsa	(Optional) Inter-area-prefix LSAs
<i>max-metric-sumlsa</i>	(Optional) Max metric value for summary LSAs

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

max-ports

[vmware] max-ports <i0>

Syntax Description

vmware	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
max-ports	Max ports on which this profile can be inherited
<i>i0</i>	Enter the max-number of ports

Command Mode

- /exec/configure/port-profile

max-ports

[no] [vmware] max-ports

Syntax Description

no	Negate a command or set its defaults
vmware	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
max-ports	Max ports on which this profile can be inherited

Command Mode

- /exec/configure/port-profile

maxas-limit

maxas-limit <as-limit> | no maxas-limit [<as-limit>]

Syntax Description

no	Negate a command or set its defaults
maxas-limit	Allow AS-PATH attribute from EBGP neighbor imposing a limit on number of ASes
<i>as-limit</i>	Number of ASes in the AS-PATH attribute

Command Mode

- /exec/configure/router-bgp/vrf-cmds

maximum-paths

maximum-paths <max-paths> | no maximum-paths [<max-paths>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	RIP set maximum paths per route
<i>max-paths</i>	Maximum paths per prefix

Command Mode

- /exec/configure/router-rip/router-rip-af-common /exec/configure/router-rip/router-rip-vrf-af-common

maximum-paths

maximum-paths <max-paths> | no maximum-paths [<max-paths>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Set maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4

maximum-paths

maximum-paths <max-paths> | no maximum-paths [<max-paths>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

maximum-paths

```
{ { maximum-paths <num-paths> } | { no maximum-paths [ <num-paths> ] } }
```

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multiple paths
<i>num-paths</i>	Number of paths

Command Mode

- /exec/configure/router-igrp/router-igrp-vrf-common /exec/configure/router-igrp/router-igrp-af-common

maximum-paths

maximum-paths <max-paths> | no maximum-paths [<max-paths>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

Command Mode

- /exec/configure/router-ospf

maximum-paths

maximum-paths [ibgp] <mpath-count> | no maximum-paths [ibgp] [<mpath-count>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
ibgp	(Optional) Configure multipath for IBGP paths
<i>mpath-count</i>	Number of parallel paths

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn

maximum-paths

maximum-paths <max-paths> | no maximum-paths [<max-paths>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Set maximum paths per destination
<i>max-paths</i>	Maximum paths per destination

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common /exec/configure/l2mp-isis/l2mp-isis-l2-topo

maximum-paths eibgp

maximum-paths eibgp <mpath-count> | no maximum-paths eibgp [<mpath-count>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
eibgp	Configure multipath for both EBGP and IBGP paths
<i>mpath-count</i>	Number of parallel paths

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6
/exec/configure/router-bgp/router-bgp-af-vpn4 /exec/configure/router-bgp/router-bgp-af-vpn6

maximum-paths local

maximum-paths local <mpath-count> | no maximum-paths local [<mpath-count>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
local	Configure multipath for local paths
<i>mpath-count</i>	Number of parallel paths

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6
/exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

maximum-paths mixed

maximum-paths mixed <mpath-count> | no maximum-paths mixed [<mpath-count>]

Syntax Description

no	Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
mixed	Configure multipath for local and remote paths
<i>mpath-count</i>	Number of parallel paths

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6
/exec/configure/router-bgp/router-bgp-af-vpn4 /exec/configure/router-bgp/router-bgp-af-vpn6
/exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

maximum-paths unequal-cost

[no] maximum-paths unequal-cost

Syntax Description

no	(Optional) Negate a command or set its defaults
maximum-paths	Forward packets over multipath paths
unequal-cost	Configure WUECMP based on weight derived from nexthop-metric by default

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6 /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

maximum-peers

{ maximum-peers <limit> | { no | default } maximum-peers [<limit>] }

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
maximum-peers	Maximum number of peers for this interface or prefix
<i>limit</i>	Max. peers limit

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

maximum-prefix

```
maximum-prefix <limit> [ <percent> ] [ restart <restart-time> | warning-only ] | { no | default } maximum-prefix
[ <limit> [ <percent> ] [ restart <restart-time> | warning-only ] ]
```

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
maximum-prefix	Maximum number of prefixes from this neighbor
<i>limit</i>	Max. prefix limit
<i>percent</i>	(Optional) Threshold percentage at which to generate a warning
restart	(Optional) Restart bgp connection after limit is exceeded
<i>restart-time</i>	(Optional) Restart interval in minutes
warning-only	(Optional) Only give a warning message when limit is exceeded

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

maximum-prefix

maximum-prefix <limit> [<percent>] [restart <restart-time> | warning-only] | { no | default } maximum-prefix [<limit> [<percent>] [restart <restart-time> | warning-only]]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
maximum-prefix	Maximum number of prefixes from this neighbor
<i>limit</i>	Max. prefix limit
<i>percent</i>	(Optional) Threshold percentage at which to generate a warning
restart	(Optional) Restart bgp connection after limit is exceeded
<i>restart-time</i>	(Optional) Restart interval in minutes
warning-only	(Optional) Only give a warning message when limit is exceeded

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

maximum routes

[no] maximum routes <limit> [{ <warnlevel> [reinstall <threshold>] } | warning-only]

Syntax Description

no	(Optional) Negate a command or set its defaults
maximum	Set a limit
routes	Maximum number of routes allowed in this routing table
<i>limit</i>	Maximum number of routes allowed
<i>warnlevel</i>	(Optional) Threshold value (%) at which to generate a warning msg
reinstall	(Optional) Reinstall previous rejected route due to over maximum route limit
<i>threshold</i>	(Optional) Threshold value (%) at which to reinstall routes back to VRF
warning-only	(Optional) Only give a warning message if limit is exceeded

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

mcast-group

mcast-group { <maddr1> [<maddr2>] | <m6addr1> [<m6addr2>] } | no mcast-group

Syntax Description

no	Negate a command or set its defaults
mcast-group	NVE Multicast Group
<i>maddr1</i>	Multicast IP Prefix
<i>maddr2</i>	(Optional) Multicast IP Prefix

Command Mode

- /exec/configure/if-nve/vni

mcast-routing override source-interface

[no] mcast-routing override source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
mcast-routing	Configure loopback for routing in L2+L3 TRM mode
override	Override source address of routed mcast packets
source-interface	Source address of routed mcast packets
<i>interface</i>	

Command Mode

- /exec/configure/if-nve

mcast root lowest vsan

[no] mcast root lowest vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
root	Configure multicast root
lowest	Select lowest domain switch as root
vsan	Enter VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

mcast root principal vsan

[no] mcast root principal vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
root	Configure multicast root
principal	Select principal switch as root
vsan	Enter VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

mdix auto

{ mdix auto | no mdix [auto] }

Syntax Description

no	Negate a command or set its defaults
mdix	Enable auto mdix mode
auto	Enable auto mdix mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

mdns-sd controller

[no] mdns-sd controller { <controller-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
controller	Controller
<i>controller-name</i>	Specify Controller name

Command Mode

- /exec/configure

mdns-sd controller service-list

[no] mdns-sd controller service-list <sl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name

Command Mode

- /exec/configure

mdns-sd controller service-policy

[no] mdns-sd controller service-policy <ser-pol-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-policy	mDNS Service Policy
<i>ser-pol-name</i>	mDNS Service Policy Name

Command Mode

- /exec/configure

mdns-sd gateway

[no] mdns-sd gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mdns-sd
gateway	mDNS Gateway Configuration

Command Mode

- /exec/configure/vlan-config

mdns-sd gateway

[no] mdns-sd gateway

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
gateway	mDNS Gateway Configuration

Command Mode

- /exec/configure

mdns-sd service-definition

[no] mdns-sd service-definition <ser-def-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-definition	mDNS Service Definition
<i>ser-def-name</i>	mDNS Service Definition Name

Command Mode

- /exec/configure

mdns-sd service-list in

[no] mdns-sd service-list <sl-name> in

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
in	IN Bound Filtering

Command Mode

- /exec/configure

mdns-sd service-list out

[no] mdns-sd service-list <sl-name> out

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
out	OUT Bound Filtering

Command Mode

- /exec/configure

mdns-sd service-policy

[no] mdns-sd service-policy <ser-pol-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdns-sd	mDNS Gateway
service-policy	mDNS Service Policy
<i>ser-pol-name</i>	mDNS Service Policy Name

Command Mode

- /exec/configure

mdt asm-use-shared-tree

[no] mdt asm-use-shared-tree

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
asm-use-shared-tree	Use (*,G) only state, no remote source state is created

Command Mode

- /exec/configure/vrf

mdt data

[no] mdt data <prefix> [threshold <value> | immediate-switch] [route-map <policy-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
data	Configure settings for Data MDT
<i>prefix</i>	List of group range prefixes
threshold	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
immediate-switch	(Optional) Move to data mdt immediately if remote receiver exists
<i>value</i>	(Optional) Threshold in kilobits per sec
route-map	(Optional) Specify policy for creating Data MDTs
<i>policy-name</i>	(Optional) A route-map name

Command Mode

- /exec/configure/vrf

mdt data vxlan

[no] mdt data vxlan <group-range> [threshold <value>] [route-map <policy-name>] [<seq-no>]

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Multicast distribution tree
data	Configure settings for TRM Data MDT
vxlan	VXLAN
<i>group-range</i>	Underlay multicast group address range
threshold	(Optional) Data MDT switching threshold
<i>value</i>	(Optional) Threshold in kilobits per sec
route-map	(Optional) Specify policy for creating Data MDTs
<i>policy-name</i>	(Optional) Configure policy name
<i>seq-no</i>	(Optional) sequence number

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

mdt default

mdt default <mdt-default> | no mdt default [<mdt-default>]

Syntax Description

no	Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
default	The default group
<i>mdt-default</i>	IP multicast group address

Command Mode

- /exec/configure/vrf

mdt enforce-bgp-mdt-safi

[no] mdt enforce-bgp-mdt-safi

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
enforce-bgp-mdt-safi	Depend on BGP MDT SAFI for auto-discovery

Command Mode

- /exec/configure/vrf

mdt mtu

[no] mdt mtu <mtu-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
mtu	The MTU
<i>mtu-value</i>	MTU value

Command Mode

- /exec/configure/vrf

mdt pim hello-interval

[no] mdt pim hello-interval <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
pim	PIM protocol related parameters
hello-interval	Hello interval used between peers
<i>interval</i>	Interval in milliseconds

Command Mode

- /exec/configure/vrf

mdt pim jp-interval

[no] mdt pim jp-interval <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
pim	PIM protocol related parameters
jp-interval	Join-Prune interval used between peers
<i>interval</i>	Interval in seconds

Command Mode

- /exec/configure/vrf

mdt source

[no] mdt source <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Backbone Multicast Distribution Tree
source	Source interface to be used in the backbone network
<i>interface</i>	Use IP address of this interface

Command Mode

- /exec/configure/vrf

mdt v4 vxlan

[no] mdt v4 vxlan

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Default MDT support
v4	Configure IP features
vxlan	Tenant Routed Multicast support for L3VNI

Command Mode

- /exec/configure/vrf/vni-mode

mdt v6 vxlan

[no] mdt v6 vxlan

Syntax Description

no	(Optional) Negate a command or set its defaults
mdt	Default MDT support
v6	Configure IPv6 features
vxlan	Tenant Routed Multicast support for L3VNI

Command Mode

- /exec/configure/vrf/vni-mode

media-type

media-type <media_type> | no media-type [<media_type>]

Syntax Description

no	Negate a command or set its defaults
media-type	Select the media-type link
<i>media_type</i>	supporting media-type

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

media-type auto

media-type auto

Syntax Description

media-type	Select the media-type link
auto	Select mgmt port as auto

Command Mode

- /exec/configure/if-mgmt-ether

media-type rj45

media-type rj45

Syntax Description

media-type	Select the media-type link
rj45	Select mgmt port rj45

Command Mode

- /exec/configure/if-mgmt-ether

media-type sfp

media-type sfp

Syntax Description

media-type	Select the media-type link
sfp	Select mgmt port sfp

Command Mode

- /exec/configure/if-mgmt-ether

media

media <vlanshowinfo-media-type> | no media

Syntax Description

no	Negate a command or set its defaults
media	Media type of the VLAN
<i>vlanshowinfo-media-type</i>	Select media type

Command Mode

- /exec/configure/vlan

medium

medium <medium-type> | no medium <medium-type>

Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
<i>medium-type</i>	

Command Mode

- /exec/configure/if-vlan-common

medium broadcast

{ medium broadcast | no medium broadcast }

Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
broadcast	Broadcast medium

Command Mode

- /exec/configure/ppm-ethernet-switch /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-ethernet-all

medium broadcast

{ medium broadcast | no medium broadcast }

Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
broadcast	Broadcast medium

Command Mode

- /exec/configure/if-ethernet-p2p-switch /exec/configure/if-ethernet-p2p /exec/configure/if-ethernet-all /exec/configure/if-eth-l3-non-member /exec/configure/if-port-channel /exec/configure/if-remote-ethernet-sub /exec/configure/if-eth-port-channel-p2p /exec/configure/if-ethernet-p2p-m

medium p2p

{ medium p2p | no medium p2p }

Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
p2p	Point-to-Point medium

Command Mode

- /exec/configure/if-ethernet-p2p-switch /exec/configure/if-ethernet-p2p /exec/configure/if-ethernet-all /exec/configure/if-eth-l3-non-member /exec/configure/if-port-channel /exec/configure/if-remote-ethernet-sub /exec/configure/if-eth-port-channel-p2p /exec/configure/if-ethernet-p2p-m

medium p2p

{ medium p2p | no medium p2p }

Syntax Description

no	Negate a command or set its defaults
medium	Configure Interface medium mode
p2p	Point-to-Point medium

Command Mode

- /exec/configure/ppm-ethernet-switch /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-port-channel-sub /exec/configure/if-ethernet-all

member

```
[no] member { device-alias <s0> [ lun <lun0> ] [ { initiator | target | both } ] | domain-id <i1> port-number <i2> | fcalias <s1> | fcid <fcid3> [ lun1 <lun4> ] [ { initiator | target | both } ] | fwwn <wwn5> | interface <if0> [ { domain-id1 <i6> | swwn <wwn7> } ] | pwwn <wwn9> [ lun2 <lun10> ] [ { initiator | target | both } ] | symbolic-nodename <s2> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add a member to zone
device-alias	Add device-alias member to zone
<i>s0</i>	Enter device-alias name
lun	(Optional) Add device-alias-LUN member to zone
<i>lun0</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
domain-id	Add member based on domain-id,port-number
<i>i1</i>	Enter domain-id of a non-MDS switch
port-number	Add member based on domain-id,port-number
<i>i2</i>	Enter port number of a non-Cisco switch
fcalias	Add fcalias to zone
<i>s1</i>	Enter the name of fcalias
fcid	Add FCID member to zone
<i>fcid3</i>	Enter FCID
lun1	(Optional) Add FCID-LUN member to zone
<i>lun4</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
fwwn	Add Fabric Port WWN member to zone

<i>wwn5</i>	Enter Fabric Port WWN
interface	Add member based on interface
<i>if0</i>	Enter Interface Range
domain-id1	(Optional) Specify domain-id
<i>i6</i>	(Optional) Enter domain-id
swwn	(Optional) Specify switch-wwn for the interface
<i>wwn7</i>	(Optional) Enter switch wwn
pwwn	Add Port WWN member to zone
<i>wwn9</i>	Enter Port WWN
lun2	(Optional) Add PortWWN-LUN member to zone
<i>lun10</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
symbolic-nodename	Add Symbolic Node Name member to zone
<i>s2</i>	Enter symbolic node name

Command Mode

- /exec/configure/zone

member

```
[no] member { device-alias <s0> [ lun <lun0> ] [ { initiator | target | both } ] | domain-id <i1> port-number <i2> | fcid <fcid3> [ lun1 <lun4> ] [ { initiator | target | both } ] | fwwn <wwn5> | interface <if0> [ { domain-id1 <i6> | swwn <wwn7> } ] | pwwn <wwn9> [ lun2 <lun10> ] [ { initiator | target | both } ] | symbolic-nodename <s1> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add a member to fcalias
device-alias	Add device-alias member to fcalias
<i>s0</i>	Enter device-alias name
lun	(Optional) Add device-alias-LUN member to fcalias
<i>lun0</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
domain-id	Add member based on domain-id,port-number
<i>i1</i>	Enter domain-id of a non-MDS switch
port-number	Add member based on domain-id,port-number
<i>i2</i>	Enter port number of a non-Cisco switch
fcid	Add FCID member to fcalias
<i>fcid3</i>	Enter FCID
lun1	(Optional) Add FCID-LUN member to fcalias
<i>lun4</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
fwwn	Add Fabric Port WWN to fcalias
<i>wwn5</i>	Enter Fabric Port WWN
interface	Add member based on interface

<i>if0</i>	Enter Interface
domain-id1	(Optional) Specify domain-id
<i>i6</i>	(Optional) Enter domain-id
swwn	(Optional) Specify switch-wwn for the interface
<i>wwn7</i>	(Optional) Enter switch wwn
pwwn	Add Port WWN to fcalias
<i>wwn9</i>	Enter Port WWN
lun2	(Optional) Add PortWWN-LUN member to fcalias
<i>lun10</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
symbolic-nodename	Add Symbolic Node Name to fcalias
<i>s1</i>	Enter symbolic node name

Command Mode

- /exec/configure/fcalias

member

[no] member <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add zone to zoneset
s0	Enter the name of zone

Command Mode

- /exec/configure/zoneset

member

```
[no] member { device-alias <s0> [ lun <lun0> ] [ { initiator | target | both } ] | domain-id <i1> port-number <i2> | fcalias <s1> | fcid <fcid3> [ lun1 <lun4> ] [ { initiator | target | both } ] | fwwn <wwn5> | interface <if0> [ { domain-id1 <i6> | swwn <wwn7> } ] | pwwn <wwn9> [ lun2 <lun10> ] [ { initiator | target | both } ] | symbolic-nodename <s2> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
member	Add a member to zone
device-alias	Add device-alias member to zone
<i>s0</i>	Enter device-alias name
lun	(Optional) Add device-alias-LUN member to zone
<i>lun0</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
domain-id	Add member based on domain-id,port-number
<i>i1</i>	Enter domain-id of a non-MDS switch
port-number	Add member based on domain-id,port-number
<i>i2</i>	Enter port number of a non-Cisco switch
fcalias	Add fcalias to zone
<i>s1</i>	Enter the name of fcalias
fcid	Add FCID member to zone
<i>fcid3</i>	Enter FCID
lun1	(Optional) Add FCID-LUN member to zone
<i>lun4</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
fwwn	Add Fabric Port WWN member to zone

<i>wwn5</i>	Enter Fabric Port WWN
interface	Add member based on interface
<i>if0</i>	Enter Interface Range
domain-id1	(Optional) Specify domain-id
<i>i6</i>	(Optional) Enter domain-id
swwn	(Optional) Specify switch-wwn for the interface
<i>wwn7</i>	(Optional) Enter switch wwn
pwwn	Add Port WWN member to zone
<i>wwn9</i>	Enter Port WWN
lun2	(Optional) Add PortWWN-LUN member to zone
<i>lun10</i>	(Optional) Enter LUN
initiator	(Optional) Enter device-type as initiator
target	(Optional) Enter device-type as target
both	(Optional) Enter device-type as both
symbolic-nodename	Add Symbolic Node Name to zone
<i>s2</i>	Enter symbolic node name

Command Mode

- /exec/configure/zoneset/zone

member vlan

{ member vlan <vlan-range> } | { no member vlan [<vlan-range>] }

Syntax Description

no	Negate a command or set its defaults
member	Set fabricpath topology VLAN membership
vlan	Configure VLANs for Fabricpath Topology
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure/fp-topology

member vni

{ member vni <vni-range> } | { no member vni [<vni-range>] }

Syntax Description

no	Negate a command or set its defaults
member	Set fabricpath topology VNI membership
vni	Configure VNIs for L2MP Topology
<i>vni-range</i>	vni range, Example: 4096, 4099-5013, 5019

Command Mode

- /exec/configure/fp-topology

member vni

[no] member vni <vni-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
member	NVE VN-Segment Membership
vni	Virtual Network Identifier
<i>vni-range</i>	vni range, Example: 5000 or 5001-5008

Command Mode

- /exec/configure/if-nve

member vni associate-vrf

[no] member vni <vni-range> associate-vrf

Syntax Description

no	(Optional) Negate a command or set its defaults
member	NVE VN-Segment Membership
vni	Virtual Network Identifier
<i>vni-range</i>	vni range, Example: 5000 or 5001-5008
associate-vrf	Associate vni with a vrf

Command Mode

- /exec/configure/if-nve

memory

{ memory <memory-units> | no memory [<memory-units>] }

Syntax Description

no	Negate a command or set its defaults
memory	Memory reservation MB units
<i>memory-units</i>	Memory reservation MB units

Command Mode

- /exec/configure/app-hosting-resource-profile-custom

message-digest-key md5

```
{ { message-digest-key <keyid> md5 <key> } | { no message-digest-key [ <keyid> md5 <key> ] } }
```

Syntax Description

no	Negate a command or set its defaults
message-digest-key	Message digest authentication password (key)
<i>keyid</i>	Key ID
md5	Use MD5 algorithm
<i>key</i>	The OSPF password (key)

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

message-digest-key md5

```
{ { message-digest-key <keyid> md5 <key> } | { no message-digest-key [ <keyid> md5 <key> ] } }
```

Syntax Description

no	Negate a command or set its defaults
message-digest-key	Message digest authentication password (key)
<i>keyid</i>	Key ID
md5	Use MD5 algorithm
<i>key</i>	OSPF password (key)

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

message max-size

message max-size <kbytes> | no message max-size

Syntax Description

no	Negate a command or set its defaults
message	Setting message value
max-size	Max Message size
<i>kbytes</i>	Specify message size in kilobytes (Default 12288)

Command Mode

- /exec/configure/telemetry/destination-group

method

```
{ [ no ] method <eap-method-name> }
```

Syntax Description

method	Eap method to be used
<i>eap-method-name</i>	eap-method

Command Mode

- /exec/configure/eap-profile

metric-style transition

[no] metric-style { transition }

Syntax Description

no	(Optional) Negate a command or set its defaults
metric-style	Configure metric style used in advertised LSPs
transition	Use both narrow and wide metric style

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

metric

[no] metric

Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Candidate path-option metric entry

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/dyn

metric

[no] metric

Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Candidate path-option metric entry

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/dyn

metric

{ [no] metric } | { metric <metric_num> }

Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Specify the interface metric
<i>metric_num</i>	SR TE Metric

Command Mode

- /exec/configure/sr/te/if

metric direct 0

[no] metric direct 0

Syntax Description

no	(Optional) Negate a command or set its defaults
metric	Cost of direct routes
direct	Cost of direct routes
0	direct route cost is zero to be compatible with IOS

Command Mode

- /exec/configure/router-rip

metric maximum-hops

{ { metric maximum-hops <hops> } | { no metric maximum-hops [<hops>] } }

Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
maximum-hops	Advertise EIGRP routes greater than <hops> as unreachable
<i>hops</i>	Hop count

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

metric rib-scale

{ { metric rib-scale <rib-scale> } | { no metric rib-scale [<rib-scale>] } }

Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
rib-scale	Defines RIB scaling value
<i>rib-scale</i>	Rib scale

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

metric version 64bit

{ { metric version 64bit } | { no metric version [64bit] } }

Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
version	Modify EIGRP metric version
64bit	64 bit metric version

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

metric weights

```
{ { metric weights <tos> <k1> <k2> <k3> <k4> <k5> [ <k6> ] } | { no metric weights [ <tos> <k1> <k2> <k3> <k4> <k5> [ <k6> ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
metric	Modify EIGRP routing metrics and parameters
weights	Modify EIGRP metric coefficients
<i>tos</i>	Type Of Service (Only TOS 0 supported)
<i>k1</i>	K1
<i>k2</i>	K2
<i>k3</i>	K3
<i>k4</i>	K4
<i>k5</i>	K5
<i>k6</i>	(Optional) K6

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

mgmt-addr

[no] mgmt-addr <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
mgmt-addr	Management Address for the platform
s0	Management addr string

Command Mode

- /exec/configure/fcs-register/attrib

min-ls-arrival

{ min-ls-arrival <i0> | no min-ls-arrival [<i0>] }

Syntax Description

no	Negate a command or set its defaults
min-ls-arrival	Configure Min LS Arrival
<i>i0</i>	Min LS Arrival (in msec)

Command Mode

- /exec/configure/(fspf-config)

min-ls-interval

{ min-ls-interval <i0> | no min-ls-interval [<i0>] }

Syntax Description

no	Negate a command or set its defaults
min-ls-interval	Configure Min LS interval
<i>i0</i>	Min LS interval (in msec)

Command Mode

- /exec/configure/(fspf-config)

mkdir

mkdir <uri0>

Syntax Description

mkdir	Create new directory
<i>uri0</i>	Directory name

Command Mode

- /exec

mode

{ mode <conn-mode> } | { no mode <conn-mode> }

Syntax Description

no	Negate a command or set its defaults
mode	EPBR service end-point connection mode
<i>conn-mode</i>	connection mode

Command Mode

- /exec/configure/epbr/svc

mode

[no] mode <vmode>

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Operational mode of the VLAN
<i>vmode</i>	

Command Mode

- /exec/configure/vlan

mode

[no] mode { none | hybrid | non-hybrid }

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	PTP profile mode
none	No mode selected
hybrid	Hybrid mode
non-hybrid	Non-hybrid mode

Command Mode

- /exec/configure/ptp-profile

mode

[no] mode <mode-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Hot-standby mode
<i>mode-id</i>	Node Mode

Command Mode

- /exec/configure/itd-dg-node

mode flow-redirect

[no] mode flow-redirect

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Configure the interface operational mode
flow-redirect	Disable/Enable flow-redirect on the interface

Command Mode

- /exec/configure/if-port-channel /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-ethernet-switch

mode flowlet

mode { flowlet | per-packet } | no mode

Syntax Description

no	Negate a command or set its defaults
mode	DLB Mode
flowlet	Per flowlet load-balancing
per-packet	Per packet load-balancing

Command Mode

- /exec/configure/dyn-loadbalancing

mode hot-standby

[no] mode hot-standby

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	EPBR service end-point node redundancy mode
hot-standby	Mode hot-standby

Command Mode

- /exec/configure/epbr/fwd-svc

mode interface

[no] mode { interface | vlan }

Syntax Description

mode	De-Duplication config mode
interface	Interface mode
vlan	Vlan mode

Command Mode

- /exec/configure/de-duplication

mode tap-aggregation

[no] mode tap-aggregation [{ vlan <vlan_id> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Configure the interface operational mode
tap-aggregation	Disable/Enable tap aggregation on the interface
vlan	(Optional) vlan that is to be tagged in outgoing packets
<i>vlan_id</i>	(Optional) Vlan ID

Command Mode

- /exec/configure/if-switching

module transceiver-frequency

[no] module <module> transceiver-frequency { <xcvr_frequency> }

Syntax Description

no	(Optional) Negate a command or set its defaults
module	Configure for module
<i>module</i>	Enter module number
transceiver-frequency	Configure X2 transceiver frequency type
<i>xcvr_frequency</i>	Enter transceiver frequency type

Command Mode

- /exec/configure

monitor erspan granularity

[no] monitor erspan granularity { 100_us | 100_ns | 1588 | ns }

Syntax Description

no	(Optional) Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
erspan	Configure Ethernet ERSPAN sessions
granularity	Configure granularity for ERSPAN Type III sessions
100_us	100 microseconds
100_ns	100 nanoseconds
1588	1588 in seconds/nanoseconds
ns	nanoseconds

Command Mode

- /exec/configure

monitor erspan origin ip-address

[no] monitor erspan origin ip-address <ip> [global]

Syntax Description

no	(Optional) Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
erspan	Configure Ethernet ERSPAN sessions
origin	Configure the erspan origin ip address
ip-address	Configure global origin IP address
<i>ip</i>	
global	(Optional) Configure in default VDC across all VDCs

Command Mode

- /exec/configure

monitor erspan origin ipv6-address

[no] monitor erspan origin ipv6-address <ipv6> [global]

Syntax Description

no	(Optional) Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
erspan	Configure Ethernet ERSPAN sessions
origin	Configure the erspan origin ipv6 address
ipv6-address	Configure global origin IPv6 address
<i>ipv6</i>	
global	(Optional) Configure in default VDC across all VDCs

Command Mode

- /exec/configure

monitor input

[no] monitor <monitorname> input

Syntax Description

monitor	Specify the monitor to be applied
<i>monitorname</i>	Monitor name to be applied
input	Specify the direction

Command Mode

- /exec/configure/analytics/system

monitor input

[no] monitor <monitorname> input

Syntax Description

monitor	Specify the monitor to be applied
<i>monitorname</i>	Monitor name to be applied
input	Specify the direction

Command Mode

- /exec/configure/nfm-system

monitor session

monitor session <session_number> [type local]

Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	(Optional) Specify a session type
local	(Optional) Create a local session

Command Mode

- /exec/configure

monitor session shut

[no] monitor session { all | <session_range> } [shut] | monitor session { all | <session_range> } shut

Syntax Description

no	Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
all	All sessions
<i>session_range</i>	
shut	(Optional) Shut the selected session

Command Mode

- /exec/configure

monitor session type acl-capture

monitor session <session_number> type acl-capture

Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	Specify a session type
acl-capture	Create an acl-capture session

Command Mode

- /exec/configure

monitor session type erspan-destination

monitor session <session_number> type erspan-destination

Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	Specify a session type
erspan-destination	Create an erspan destination session

Command Mode

- /exec/configure

monitor session type erspan-source

monitor session <session_number> type erspan-source

Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session_number</i>	
type	Specify a session type
erspan-source	Create an erspan source session

Command Mode

- /exec/configure

monitor session warp

[no] monitor session warp

Syntax Description

no	Negate a command or set its defaults
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
warp	Configure Warp span mode

Command Mode

- /exec/configure

monitor session warp

monitor session warp [type local]

Syntax Description

monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
warp	Create warp session
type	(Optional) Specify a session type
local	(Optional) Create a local session

Command Mode

- /exec/configure

mount

mount { usb1: | usb2: }

Syntax Description

mount	mount expansion flash or USB storage
usb1:	mount USB drive in port 1
usb2:	mount USB drive in port 2

Command Mode

- /exec

mount slot0

mount slot0:

Syntax Description

mount	mount expansion flash or USB storage
slot0:	mount expansion flash

Command Mode

- /exec

move

move <uri0> <uri1>

Syntax Description

move	Move files
<i>uri0</i>	Source file path
<i>uri1</i>	Destination file path

Command Mode

- /exec

mpls

[no] mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure Traffic Engineering Segment Routing MPLS liveness detection related configurations

Command Mode

- /exec/configure/sr/te/live-det

mpls

[no] mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Enable Segment Routing MPLS

Command Mode

- /exec/configure/config-sr

mpls

[no] mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure color specific MPLS liveness detection related configurations

Command Mode

- /exec/configure/sr/te/color/live-det

mpls

[no] mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure color specific MPLS liveness detection related configurations

Command Mode

- /exec/configure/sr/te/pol/live-det

mpls access-list

[no] mpls access-list <mpls_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS access-list configuration commands
access-list	Configure access list
<i>mpls_name</i>	List name

Command Mode

- /exec/configure

mpls ip

[no] mpls ip

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Enable IP over MPLS

Command Mode

- /exec/configure/if-igp /exec/configure/if-mpls-tunnel

mpls ip default-route

[no] mpls ip default-route

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Dynamic MPLS forwarding for IP
default-route	Allow MPLS forwarding for ip default route

Command Mode

- /exec/configure/ldp

mpls ip forwarding

[no] mpls ip forwarding

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Enable IP over MPLS
forwarding	Enable MPLS forwarding on the interface

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-all /exec/configure/if-ether-sub
/exec/configure/if-eth-port-channel /exec/configure/if-port-channel-sub
/exec/configure/if-port-channel-range /exec/configure/if-vlan-common /exec/configure/if-mvpn
/exec/configure/if-p2p exec/configure/ppm-ethernet-switch

mpls ip propagate-ttl

mpls ip propagate-ttl | no mpls ip propagate-ttl [forwarded | local]

Syntax Description

no	Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Configure IP features
propagate-ttl	Configure IP ttl propagation over mpls
forwarded	(Optional) Prevent traceroute from showing the hops for forwarded packets
local	(Optional) Prevent traceroute from showing the hops only for local packets

Command Mode

- /exec/configure

mpls ip ttl-expiration pop

[no] mpls ip ttl-expiration pop [<labels>]

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
ip	Configure IP features
ttl-expiration	Configure ttl-expiration
pop	Pop
<i>labels</i>	(Optional) Number of labels

Command Mode

- /exec/configure

mpls label range

[no] mpls label range <min-label> <max-label> [static <min-static-label> <max-static-label>]

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
label	Label properties
range	Label range
<i>min-label</i>	Minimum label value
<i>max-label</i>	Maximum label value
static	(Optional) Specify block of labels for static bindings
<i>min-static-label</i>	(Optional) Minimum static label value
<i>max-static-label</i>	(Optional) Maximum static label value

Command Mode

- /exec/configure

mpls load-sharing label-ip

[no] mpls load-sharing label-ip

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure Load sharing for Portchannel and ECMP based on labels
load-sharing	Load sharing for Portchannel and ECMP based on labels
label-ip	Load sharing based on label and IP

Command Mode

- /exec/configure

mpls load-sharing label-only

[no] mpls load-sharing label-only

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure Load sharing for Portchannel and ECMP based on labels
load-sharing	Load sharing for Portchannel and ECMP based on labels
label-only	Load sharing based on label only

Command Mode

- /exec/configure

mpls port access-group

[no] mpls port access-group <mpls_name> <inout>

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS access-list configuration commands
port	Port policy
access-group	Specify access control for packets
<i>mpls_name</i>	List name
<i>inout</i>	Traffic direction

Command Mode

- /exec/configure/if-set-acl-l2

mpls qos pipe-mode

mpls qos pipe-mode | no mpls qos pipe-mode

Syntax Description

no	negate a command or set its defaults
mpls	mpls configuration commands
qos	qos
pipe-mode	pipe mode

Command Mode

- /exec/configure

mpls static configuration

[no] mpls static configuration

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS configuration commands
static	Configure Static Label Bindings
configuration	Enter MPLS Static global configuration submode

Command Mode

- /exec/configure

mpls strip

[no] mpls strip [{ mode dot1q }]

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS information
strip	Stripping of MPLS headers
mode	(Optional) Mode for MPLS Strip
dot1q	(Optional) Mode for enabling vlan tagging

Command Mode

- /exec/configure

mpls strip label

[no] mpls strip label { <value> } [interface <interface-name>] | no mpls strip label all

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	MPLS information
strip	Stripping of MPLS headers
label	Add a static label in database
<i>value</i>	20 bit value for label
all	Delete all static labels
interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface-name</i>	(Optional) Interface name

Command Mode

- /exec/configure

mpls traffic-eng

[no] mpls traffic-eng <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure MPLS parameters
traffic-eng	Routing protocol commands for MPLS Traffic Engineering (TE)
<i>level</i>	IS-IS level

Command Mode

- /exec/configure/router-isis

mpls traffic-eng multicast-intact

[no] mpls traffic-eng multicast-intact

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure MPLS parameters
traffic-eng	Routing protocol commands for MPLS Traffic Engineering (TE)
multicast-intact	Configure MPLS-TE multicast interaction

Command Mode

- /exec/configure/router-isis

mpls traffic-eng router-id

[no] mpls traffic-eng router-id <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	Configure MPLS parameters
traffic-eng	Routing protocol commands for MPLS Traffic Engineering (TE)
router-id	Routing protocol commands for MPLS Traffic Engineering (TE)
<i>interface</i>	IS-IS interface

Command Mode

- /exec/configure/router-isis

mpls ttl-mode php uniform

[no] mpls ttl-mode php uniform

Syntax Description

no	(Optional) Negate a command or set its defaults
mpls	mpls

Command Mode

- /exec

mst designated priority

mst <mst-id> designated priority <prio> | no mst <mst-id> designated priority [<prio>]

Syntax Description

no	Negate a command or set its defaults
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
designated	Set the designated bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure/spanning-tree/pseudo

mst root priority

mst <mst-id> root priority <prio> | no mst <mst-id> root priority [<prio>]

Syntax Description

no	Negate a command or set its defaults
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
root	Set the root bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure/spanning-tree/pseudo

mtrace

```
mtrace <source> [ <receiver> ] [ <group> ] [ vrf <vrf-known-name> ]
```

Syntax Description

mtrace	Trace
<i>source</i>	IP
<i>receiver</i>	(Optional) IP
<i>group</i>	(Optional) IP
vrf	(Optional) VRF
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

mts-buildup check

mts-buildup check { [mts-percent <percent> detect-intvl <d_intvl>] } | no mts-buildup check

Syntax Description

no	Negate a command
mts-buildup	MTS build up
check	MTS build up check
mts-percent	(Optional) MTS buildup percent
<i>percent</i>	(Optional) percent value
detect-intvl	(Optional) Interval to check MTS buildup
<i>d_intvl</i>	(Optional) Interval to check MTS buildup

Command Mode

- /exec/configure

mts callhome age

{ mts callhome age <i0> | no mts callhome age [<i0>] }

Syntax Description

no	Negate a command or set its defaults
mts	MTS component
callhome	sending callhome message
age	Enter the age of message in minutes for MTS to generate callhome
<i>i0</i>	number of minutes

Command Mode

- /exec/configure

mts latency threshold sup

{ mts latency threshold { sup | lc } <i0> | no mts latency threshold { sup | lc } [<i0>] }

Syntax Description

no	Negate a command or set its defaults
mts	MTS component
latency	message delay
threshold	Enter threshold of message delay in msec to log to MTS eventhistory
sup	set only in sup
lc	set only in lc
<i>i0</i>	number of msec

Command Mode

- /exec/configure

mtu

mtu <mtu_value> | no mtu

Syntax Description

no	Negate a command or set its defaults
mtu	Set the MTU size for ERSPAN packets
<i>mtu_value</i>	

Command Mode

- /exec/configure/monitor-erspan-src

mtu1

[no] mtu1 <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
mtu1	MTU for the CoS
<i>value</i>	MTU value

Command Mode

- /exec/configure/policy-map/type/uf/class

mtu

mtu <mtu_value> | no mtu

Syntax Description

no	Negate a command or set its defaults
mtu	Set the MTU size for SPAN packets
<i>mtu_value</i>	

Command Mode

- /exec/configure/monitor-local-src

mtu

mtu <mtu-val> | no mtu [<mtu-val>]

Syntax Description

no	Negate a command or set its defaults
mtu	Configure MTU
<i>mtu-val</i>	Bytes

Command Mode

- /exec/configure/if-any-tunnel

mtu

[no] mtu <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
mtu	MTU for the CoS
<i>value</i>	MTU value

Command Mode

- /exec/configure/policy-map/type/uf/class

mtu

[no] mtu <mtu>

Syntax Description

mtu	MTU
<i>mtu</i>	MTU port to be configured

Command Mode

- /exec/configure/config-ssx-exporter

mtu

mtu <mtu_val> | no mtu

Syntax Description

no	Negate a command or set its defaults
mtu	Set the interface Maximum Transmission Unit (MTU)
<i>mtu_val</i>	MTU size in bytes

Command Mode

- /exec/configure/if-vlan-common

mtu

mtu <mtu_val> | no mtu [<mtu_val>]

Syntax Description

no	Negate a command or set its defaults
mtu	Configure mtu for the port
<i>mtu_val</i>	

Command Mode

- /exec/configure/if-ether-sub /exec/configure/if-ether-sub-p2p /exec/configure/if-port-channel-sub /exec/configure/if-sub /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

mtu

mtu <mtu_val> | no mtu [<mtu_val>]

Syntax Description

no	Negate a command or set its defaults
mtu	Configure mtu for the port
<i>mtu_val</i>	Enter MTU

Command Mode

- /exec/configure/if-mgmt-ether

multi-topology

[no] multi-topology [transition]

Syntax Description

no	(Optional) Negate a command or set its defaults
multi-topology	Enable multitopology for IPV6
transition	(Optional) Configure multitopology transition mode

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

multicast

[no] multicast <mode_enum>

Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	Enable multicast best-effort
<i>mode_enum</i>	

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

multicast flow-path disable-stats-table

[no] multicast flow-path disable-stats-table

Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	multicast
flow-path	service-reflect
disable-stats-table	Ingress interface

Command Mode

- /exec/configure

multicast flow-path export

[no] multicast flow-path export

Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	multicast
flow-path	service-reflect
export	Ingress interface

Command Mode

- /exec/configure

multicast service-reflect map interface

```
[no] multicast service-reflect { interface { <if-name> | all } | dest-prefix <prefix> } map interface <serv-if-name>
[ max-replication <repl-count> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
multicast	multicast
service-reflect	service-reflect
interface	Of interface
<i>if-name</i>	Interface name
all	Interface all
dest-prefix	Destination Prefix
<i>prefix</i>	Destination prefix
map	map to service interface
interface	Service interface
<i>serv-if-name</i>	Service Interface name
max-replication	(Optional) Max number of replications on the service-interface
<i>repl-count</i>	(Optional) Count of sub-interfaces to be created

Command Mode

- /exec/configure /exec/configure/vrf

multiplier multiplier

{ [no] multiplier | multiplier <multiplier> }

Syntax Description

no	(Optional) Negate a command or set its defaults
multiplier	Configure multiplier for liveness detection
<i>multiplier</i>	multiplier

Command Mode

- /exec/configure/sr/te/live-det

multisite border-gateway interface

[no] multisite border-gateway interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
multisite	VxLAN Multisite
border-gateway	VxLAN Multisite Border-gateway
interface	NVE Multisite Border-gateway Interface
<i>interface</i>	

Command Mode

- /exec/configure/if-nve

multisite ingress-replication

multisite ingress-replication [optimized] | no multisite ingress-replication

Syntax Description

no	Negate a command or set its defaults
multisite	multisite
ingress-replication	Configure ingress replication
optimized	(Optional) Switch to optimized IR mode

Command Mode

- /exec/configure/if-nve/vni

multisite mcast-group

multisite mcast-group <dcf-core-group> | no multisite mcast-group

Syntax Description

no	Negate a command or set its defaults
multisite	multisite
mcast-group	NVE Multicast Group
<i>dcf-core-group</i>	Multicast IP Prefix

Command Mode

- /exec/configure/if-nve/vni

multisite virtual-rmac

[no] multisite virtual-rmac <mac> | no multisite virtual-rmac

Syntax Description

no	(Optional) Negate a command or set its defaults
multisite	multisite
virtual-rmac	Static Virtual RMAC configuration
<i>mac</i>	Specify Virtual Router MAC Address

Command Mode

- /exec/configure/if-nve

mvpn vri id

{ mvpn vri id <value> } | { no mvpn vri id [<value>] }

Syntax Description

no	Negate a command or set its defaults
mvpn	Configure VRI ID for Multicast VPN
vri	Generate VRI for all L3VNIs
id	Generate VRI with VNI:ID format
<i>value</i>	Specify 2 byte value for ID

Command Mode

- /exec/configure/router-bgp

mvr-config

[no] mvr-config

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-config	Enable IGMP MVR

Command Mode

- /exec/configure

mvr-group

[no] mvr-group { <ip-addr> [count <count> | <ip-mask>] } [{ vlan <vlan-id> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR Group
<i>ip-addr</i>	Group IP Address
count	(Optional) Number of contiguous groups
<i>count</i>	(Optional) Number of contiguous groups
<i>ip-mask</i>	(Optional) IP network mask in format m.m.m.m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

Command Mode

- /exec/configure/igmp-mvr-global

mvr-group

```
[no] mvr-group { { <ip-prefix> } [ { vlan <vlan-id> } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR Group
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

Command Mode

- /exec/configure/igmp-mvr-global

mvr-group

[no] mvr-group { <ip-addr> [count <count> | <ip-mask>] } [{ vlan <vlan-id> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR interface config
<i>ip-addr</i>	Group IP Address
count	(Optional) Number of contiguous groups
<i>count</i>	(Optional) Number of contiguous groups
<i>ip-mask</i>	(Optional) IP network mask in format m.m.m.m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

mvr-group

```
[no] mvr-group { { <ip-prefix> } [ { vlan <vlan-id> } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-group	MVR interface config
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
vlan	(Optional) Global default MVR vlan
<i>vlan-id</i>	(Optional) Enter MVR Vlan

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

mvr-suppress-query vlan

```
{ { mvr-suppress-query vlan <vlan-range> } | { no mvr-suppress-query } }
```

Syntax Description

no	Negate a command or set its defaults
mvr-suppress-query	Suppress IGMP General query forwarding from vlans
vlan	MVR Vlan Id or ranges
<i>vlan-range</i>	VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure/igmp-mvr-global

mvr-type receiver

[no] mvr-type receiver

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-type	MVR interface config
receiver	Mvr receiver port

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

mvr-type source

[no] mvr-type source

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-type	MVR interface config
source	Mvr source port

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

mvr-vlan

{ { no mvr-vlan <vlan-id> } | { mvr-vlan <vlan-id> } }

Syntax Description

no	Negate a command or set its defaults
mvr-vlan	Interface MVR Config
<i>vlan-id</i>	Enter MVR Vlan

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

mvr-vlan

[no] mvr-vlan <vlan-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
mvr-vlan	Global default MVR vlan
<i>vlan-id</i>	Enter MVR Vlan

Command Mode

- /exec/configure/igmp-mvr-global



N Commands

- [name-lookup](#), on page 3448
- [name-lookup](#), on page 3449
- [name](#), on page 3450
- [name](#), on page 3451
- [name](#), on page 3452
- [name](#), on page 3453
- [name](#), on page 3454
- [nat destination](#), on page 3455
- [nbm bandwidth capacity](#), on page 3456
- [nbm bandwidth unicast](#), on page 3457
- [nbm external-link](#), on page 3458
- [nbm flow-definition](#), on page 3459
- [nbm flow-definition](#), on page 3460
- [nbm flow-policy](#), on page 3461
- [nbm flow-policy](#), on page 3462
- [nbm flow asm range](#), on page 3463
- [nbm flow asm range](#), on page 3464
- [nbm flow bandwidth immediate-recovery](#), on page 3465
- [nbm flow bandwidth immediate-recovery](#), on page 3466
- [nbm flow bandwidth kbps mbps gbps](#), on page 3467
- [nbm flow bandwidth kbps mbps gbps](#), on page 3468
- [nbm flow dscp](#), on page 3469
- [nbm flow dscp](#), on page 3470
- [nbm flow policer](#), on page 3471
- [nbm flow policer](#), on page 3472
- [nbm flow reserve-bandwidth receiver-only](#), on page 3473
- [nbm flow reserve-bandwidth receiver-only](#), on page 3474
- [nbm host-policy](#), on page 3475
- [nbm host-policy](#), on page 3476
- [nbm mode pim](#), on page 3477
- [nbm reserve unicast fabric bandwidth](#), on page 3478
- [nbm vrf](#), on page 3479
- [nbm vrf default](#), on page 3480

- negotiate auto, on page 3481
- negotiate auto 25000, on page 3482
- negotiate auto, on page 3483
- neighbor-down fib-accelerate, on page 3484
- neighbor, on page 3485
- neighbor, on page 3486
- neighbor, on page 3487
- neighbor, on page 3488
- neighbor, on page 3489
- neighbor, on page 3490
- neighbor, on page 3491
- nemo config address port interval, on page 3492
- net, on page 3493
- net, on page 3494
- network, on page 3495
- network, on page 3496
- next-hop-self, on page 3497
- next-hop-third-party, on page 3498
- nexthop load-balance egress multisite, on page 3499
- nexthop route-map, on page 3500
- nexthop suppress-default-resolution, on page 3501
- nexthop trigger-delay critical non-critical, on page 3502
- ngoam authentication-key, on page 3503
- ngoam connect-check, on page 3504
- ngoam install acl, on page 3505
- ngoam loop-detection, on page 3506
- ngoam loop-detection bringup vlan, on page 3507
- ngoam loop-detection probe vlan, on page 3508
- ngoam profile, on page 3509
- ngoam xconnect hb-interval, on page 3510
- no-more, on page 3511
- no, on page 3512
- no, on page 3515
- no, on page 3516
- no, on page 3517
- no, on page 3518
- no, on page 3519
- no, on page 3523
- no, on page 3529
- no, on page 3534
- no, on page 3538
- no, on page 3542
- no, on page 3545
- no, on page 3549
- no, on page 3553
- no, on page 3556

- no, on page 3557
- no, on page 3558
- no, on page 3559
- no, on page 3561
- no, on page 3562
- node ip, on page 3563
- node ip, on page 3564
- npv auto-load-balance disruptive, on page 3565
- npv traffic-map server-interface external-interface, on page 3566
- nsf await-redis-proto-convergence, on page 3567
- ntp access-group, on page 3568
- ntp access-group match-all, on page 3569
- ntp allow private, on page 3570
- ntp authenticate, on page 3571
- ntp authentication-key md5, on page 3572
- ntp logging, on page 3573
- ntp master, on page 3574
- ntp passive, on page 3575
- ntp peer, on page 3576
- ntp server, on page 3577
- ntp source-interface, on page 3578
- ntp source, on page 3579
- ntp sync-retry, on page 3580
- ntp trusted-key, on page 3581
- nv overlay evpn, on page 3582
- nve interface remap-replication-servers, on page 3583
- nve interface replication-server up, on page 3584
- nve oam mode draft-pang, on page 3585
- nwwn, on page 3586
- nwwn vsan, on page 3587
- nxapi certificate httpskey keyfile, on page 3588
- nxapi client certificate authentication, on page 3589
- nxapi http port, on page 3590
- nxapi idle-timeout, on page 3591
- nxapi ssl ciphers weak, on page 3592
- nxapi ssl protocols, on page 3593
- nxapi use-vrf management default, on page 3594
- nxsdk profile, on page 3595
- nxsdk remote port, on page 3596
- nxsdk service-name, on page 3597

name-lookup

[no] name-lookup [use-vrf <dns-vrf-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
name-lookup	Display OSPF router ids as DNS names
use-vrf	(Optional) Optional use vrf parameter
<i>dns-vrf-name</i>	(Optional) VRF name

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

name-lookup

[no] name-lookup

Syntax Description

no	(Optional) Negate a command or set its defaults
name-lookup	Enable Name Lookup for OSPFv3 Neighbors

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

name

name [<name>] | no name

Syntax Description

no	Negate a command or set its defaults
name	Redundancy name string
<i>name</i>	(Optional) name string

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

name

name <name-val> | no name [<name-val>]

Syntax Description

no	Negate a command or set its defaults
name	Set configuration name
<i>name-val</i>	Configuration name

Command Mode

- /exec/configure/spanning-tree/mst/configuration

name

name <vlan-name> | no name

Syntax Description

no	Negate a command or set its defaults
name	Ascii name of the VLAN
<i>vlan-name</i>	The ascii name for the VLAN

Command Mode

- /exec/configure/vlan

name

```
{ { name-server0 | name-server1 } <ip-addr> | no { name-server0 | name-server1 } [ <ip-addr> ] }
```

Syntax Description

no	Negate a command or set its defaults
name-server0	Name server IP Address
name-server1	Name server IP Address
<i>ip-addr</i>	Name server IP Address

Command Mode

- /exec/configure/app-hosting-appid

name

```
{ { name-server0-ipv6 | name-server1-ipv6 } <ipv6-addr> | no { name-server0-ipv6 | name-server1-ipv6 } [ <ipv6-addr> ] }
```

Syntax Description

no	Negate a command or set its defaults
name-server0-ipv6	Name server IPv6 Address
name-server1-ipv6	Name server IPv6 Address

Command Mode

- /exec/configure/app-hosting-appid

nat destination

{ nat destination } | { no nat destination }

Syntax Description

no	Negate a command or set its defaults
nat	Network Address Translation
destination	Destination NAT

Command Mode

- /exec/configure/itd

nbm bandwidth capacity

nbm bandwidth capacity <percentage> | no nbm bandwidth capacity

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
bandwidth	bandwidth
capacity	capacity
<i>percentage</i>	percentage value, 0 means no reservation for BW purpose

Command Mode

- /exec/configure/if-igp

nbm bandwidth unicast

nbm bandwidth unicast <percentage> | no nbm bandwidth unicast

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
bandwidth	percentage of bandwidth set aside other than multicast
unicast	unicast
<i>percentage</i>	percentage value. 0 means no reservation for unicast on this link

Command Mode

- /exec/configure/if-igp

nbm external-link

[no] nbm external-link

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
external-link	link connected to external router. Configuring this will flap the interface

Command Mode

- /exec/configure/if-igp

nbm flow-definition

[no] nbm flow-definition <group> [<source>]

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow-definition	Define a multicast flow
<i>group</i>	Multicast Group Address
<i>source</i>	(Optional) Source IP address to use

Command Mode

- /exec/configure

nbm flow-definition

[no] nbm flow-definition <group> [<source>]

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow-definition	Define a multicast flow
<i>group</i>	Multicast Group Address
<i>source</i>	(Optional) Source IP address to use

Command Mode

- /exec/configure/nbm-vrf

nbm flow-policy

[no] nbm flow-policy

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow-policy	Flow Policy Characteristics

Command Mode

- /exec/configure

nbm flow-policy

[no] nbm flow-policy

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow-policy	Flow Policy Characteristics

Command Mode

- /exec/configure/nbm-vrf

nbm flow asm range

[no] nbm flow asm range <group> +

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
asm	Any-Source Multicast (ASM) groups
range	Configure explicit group ranges
<i>group</i>	List of group range prefixes

Command Mode

- /exec/configure

nbm flow asm range

[no] nbm flow asm range <group> +

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
asm	Any-Source Multicast (ASM) groups
range	Configure explicit group ranges
<i>group</i>	List of group range prefixes

Command Mode

- /exec/configure/nbm-vrf

nbm flow bandwidth immediate-recovery

[no] nbm flow bandwidth immediate-recovery

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
bandwidth	Bandwidth per flow
immediate-recovery	Free up used BW immediately on last OIF removal

Command Mode

- /exec/configure/nbm-vrf

nbm flow bandwidth immediate-recovery

[no] nbm flow bandwidth immediate-recovery

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
bandwidth	Bandwidth per flow
immediate-recovery	Free up used BW immediately on last OIF removal

Command Mode

- /exec/configure

nbm flow bandwidth kbps mbps gbps

```
{ nbm flow bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { no nbm flow bandwidth }
```

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
bandwidth	Bandwidth per flow
<i>val_kbps</i>	Per Flow Bandwidth in Kbps
kbps	Bandwidth value in Kbps
<i>val_mbps</i>	Per Flow Bandwidth in Mbps
mbps	Bandwidth value in Mbps
<i>val_gbps</i>	Per Flow Bandwidth in Gbps
gbps	Bandwidth value in Gbps

Command Mode

- /exec/configure

nbm flow bandwidth kbps mbps gbps

```
{ nbm flow bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { no nbm flow bandwidth }
```

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
bandwidth	Bandwidth per flow
<i>val_kbps</i>	Per Flow Bandwidth in Kbps
kbps	Bandwidth value in Kbps
<i>val_mbps</i>	Per Flow Bandwidth in Mbps
mbps	Bandwidth value in Mbps
<i>val_gbps</i>	Per Flow Bandwidth in Gbps
gbps	Bandwidth value in Gbps

Command Mode

- /exec/configure/nbm-vrf

nbm flow dscp

{ nbm flow dscp <val_dscp> } | { no nbm flow dscp }

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
dscp	DSCP for the flow
<i>val_dscp</i>	Integer value

Command Mode

- /exec/configure/nbm-vrf

nbm flow dscp

{ nbm flow dscp <val_dscp> } | { no nbm flow dscp }

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
dscp	DSCP for the flow
<i>val_dscp</i>	Integer value

Command Mode

- /exec/configure

nbm flow policer

[no] nbm flow policer

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
policer	Flow rate limiter installed in hardware

Command Mode

- /exec/configure

nbm flow policer

[no] nbm flow policer

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
policer	Flow rate limiter installed in hardware

Command Mode

- /exec/configure/nbm-vrf

nbm flow reserve-bandwidth receiver-only

[no] nbm flow reserve-bandwidth receiver-only

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
reserve-bandwidth	Reserve bandwidth
receiver-only	Configure explicit group ranges to restrict reserve bandwidth on receiver only

Command Mode

- /exec/configure/nbm-vrf

nbm flow reserve-bandwidth receiver-only

[no] nbm flow reserve-bandwidth receiver-only

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
flow	Flow Characteristics
reserve-bandwidth	Reserve bandwidth
receiver-only	Configure explicit group ranges to restrict reserve bandwidth on receiver only

Command Mode

- /exec/configure

nbm host-policy

[no] nbm host-policy

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
host-policy	NBM SW Host Admission Policy

Command Mode

- /exec/configure

nbm host-policy

[no] nbm host-policy

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
host-policy	NBM SW Host Admission Policy

Command Mode

- /exec/configure/nbm-vrf

nbm mode pim

```
nbm mode { pim-active | pim-passive } | no nbm mode [ pim-active | pim-passive ] [ __readonly__ <output> ]
```

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
mode	Set pmn mode
pim-active	Bandwidth engine running in fabric
pim-passive	API driven flow stitching
__readonly__	(Optional)
<i>output</i>	(Optional)

Command Mode

- /exec/configure /exec/configure/nbm-vrf

nbm reserve unicast fabric bandwidth

nbm reserve unicast fabric bandwidth <percentage> | no nbm reserve unicast fabric bandwidth

Syntax Description

no	Negate a command or set its defaults
nbm	Non Blocking Multicast
reserve	reserve bandwidth
unicast	unicast
fabric	fabric
bandwidth	percentage of bandwidth for unicast flow
<i>percentage</i>	percentage value

Command Mode

- /exec/configure /exec/configure/nbm-vrf

nbm vrf

[no] nbm vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure

nbm vrf default

[no] nbm vrf default

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking Multicast
vrf	Display per-VRF information
default	Default VRF

Command Mode

- /exec/configure /exec/configure/nbm-vrf

negotiate auto

negotiate auto | no negotiate auto

Syntax Description

no	Negate a command or set its defaults
negotiate	Configure link negotiation parameters
auto	Configure auto-negotiation

Command Mode

- /exec/configure/if-mgmt-ether

negotiate auto 25000

[no] negotiate auto 25000

Syntax Description

no	(Optional) Negate a command or set its defaults
negotiate	Configure link negotiation parameters
auto	Configure auto-negotiation
25000	Force auto-negotiate to only 25000 and change fec to auto

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

negotiate auto

negotiate auto | no negotiate auto

Syntax Description

no	Negate a command or set its defaults
negotiate	Configure link negotiation parameters
auto	Configure auto-negotiation

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

neighbor-down fib-accelerate

[no] neighbor-down fib-accelerate

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor-down	Handle BGP neighbor down event, due to various reasons
fib-accelerate	Accelerate the hardware updates for IP/IPv6 adjacencies for neighbor

Command Mode

- /exec/configure/router-bgp/vrf-cmds

neighbor

[no] neighbor <interface> [remote-as [{ <asn> | external | internal } | route-map <rmap-name>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor	Configure a BGP neighbor
<i>interface</i>	Interface name for BGP interface peering
remote-as	(Optional) Specify Autonomous System Number of the neighbor
<i>asn</i>	(Optional) Autonomous System Number
external	(Optional) eBGP session type
internal	(Optional) iBGP session type
route-map	(Optional) Route-map to match interface peer AS number
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

neighbor

neighbor [vrf { <vrf-name> | <vrf-known-name> }] <ipaddr> { implicit-withdraw | labels accept <pfx-list> | targeted } | no neighbor [vrf { <vrf-name> | <vrf-known-name> }] <ipaddr> [implicit-withdraw | labels accept | targeted]

Syntax Description

no	Negate a command or set its defaults
neighbor	Configure neighbor parameters
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ipaddr</i>	IP address for LDP neighbor
implicit-withdraw	Enable LDP Implicit Withdraw Label
labels	Configure label binding exchange controls
accept	Specify label bindings to accept
<i>pfx-list</i>	Name of prefix list
targeted	Establish targeted session

Command Mode

- /exec/configure/ldp

neighbor

[no] neighbor { <neighbor-id> | <ipv6-neighbor-id> } [remote-as { <asn> | external | internal }]

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor	Configure a BGP neighbor
<i>neighbor-id</i>	IP address of the neighbor
remote-as	(Optional) Specify Autonomous System Number of the neighbor
<i>asn</i>	(Optional) Autonomous System Number
external	(Optional) eBGP session type
internal	(Optional) iBGP session type

Command Mode

- /exec/configure/router-bgp

neighbor

[no] neighbor { <neighbor-id> | <ipv6-neighbor-id> } [remote-as { <asn> | external | internal }]

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor	Configure a BGP neighbor
<i>neighbor-id</i>	IP address of the neighbor
remote-as	(Optional) Specify Autonomous System Number of the neighbor
<i>asn</i>	(Optional) Autonomous System Number
external	(Optional) eBGP session type
internal	(Optional) iBGP session type

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

neighbor

[no] neighbor { <neighbor-prefix> | <ipv6-neighbor-prefix> } [remote-as [{ <asn> | external | internal } | route-map <rmap-name>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor	Configure a BGP neighbor
<i>neighbor-prefix</i>	IP prefix for neighbors
remote-as	(Optional) Specify Autonomous System Number of the neighbor
<i>asn</i>	(Optional) Autonomous System Number
external	(Optional) eBGP session type
internal	(Optional) iBGP session type
route-map	(Optional) Route-map to match prefix peer AS number
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp

neighbor

```
[no] neighbor { <neighbor-prefix> | <ipv6-neighbor-prefix> } [ remote-as [ { <asn> | external | internal } | route-map <rmap-name> ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor	Configure a BGP neighbor
<i>neighbor-prefix</i>	IP prefix for neighbors
remote-as	(Optional) Specify Autonomous System Number of the neighbor
<i>asn</i>	(Optional) Autonomous System Number
external	(Optional) eBGP session type
internal	(Optional) iBGP session type
route-map	(Optional) Route-map to match prefix peer AS number
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

neighbor

[no] neighbor <interface> [remote-as [{ <asn> | external | internal } | route-map <rmap-name>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
neighbor	Configure a BGP neighbor
<i>interface</i>	Interface name for BGP interface peering
remote-as	(Optional) Specify Autonomous System Number of the neighbor
<i>asn</i>	(Optional) Autonomous System Number
external	(Optional) eBGP session type
internal	(Optional) iBGP session type
route-map	(Optional) Route-map to match interface peer AS number
<i>rmap-name</i>	(Optional) Route-map name

Command Mode

- /exec/configure/router-bgp

nemo config address port interval

[no] nemo config address <ip_address> port <portnum> interval <interval-num>

Syntax Description

no	(Optional) Negate a command or set its defaults
nemo	Nemo switch onboarding enabler
config	Configure Nemo for switch onboarding
address	IP address of the Nemo platform
<i>ip_address</i>	IP Address
port	Port number of the Nemo platform
<i>portnum</i>	Port number
interval	Config interval in millisecond
<i>interval-num</i>	Config interval in millisecond

Command Mode

- /exec/configure

net

[no] net <net>

Syntax Description

no	(Optional) Negate a command or set its defaults
net	Configure Network Entity Title for IS-IS
<i>net</i>	NET in form of XX.XXXX.XXXX[.00]

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

net

[no] net <net>

Syntax Description

no	(Optional) Negate a command or set its defaults
net	Configure Network Entity Title for IS-IS
<i>net</i>	NET in form of XX.XXXX.XXXX[.00]

Command Mode

- /exec/configure/otv-isis

network

[no] network <ipv6-prefix> [route-map <rmap-name> | summarize] +

Syntax Description

no	(Optional) Negate a command or set its defaults
network	Configure an IPv6 prefix to advertise
route-map	(Optional) Apply route-map to modify attributes
<i>rmap-name</i>	(Optional) Route-map name
summarize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

network

[no] network { <ip-addr> mask <ip-mask> | <ip-prefix> } [route-map <rmap-name> | summarize | evpn] +

Syntax Description

no	(Optional) Negate a command or set its defaults
network	Configure an IP prefix to advertise
<i>ip-addr</i>	IP network to advertise
mask	Configure the mask of the IP prefix to advertise
<i>ip-mask</i>	Dotted 4-octet mask
<i>ip-prefix</i>	IP prefix in CIDR format
route-map	(Optional) Apply route-map to modify attributes
<i>rmap-name</i>	(Optional) Route-map name
summarize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
evpn	(Optional) Only advertise route towards evpn side

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4

next-hop-self

[no | default] next-hop-self [all]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
next-hop-self	Set our address as nexthop (non-reflected)
all	(Optional) Set our address as nexthop for all routes

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

next-hop-third-party

[no | default] next-hop-third-party

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
next-hop-third-party	Compute a third-party nexthop if possible

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

nexthop load-balance egress multisite

[no] nexthop load-balance egress multisite

Syntax Description

no	(Optional) Negate a command or set its defaults
nexthop	Next hop egress load balancing that are specific to multisite
load-balance	load-balance
egress	egress
multisite	multisite routes

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

nexthop route-map

[no] nexthop route-map <rmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
nexthop	Nexthop tracking
route-map	Route map for valid nexthops
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn
/exec/configure/router-bgp/router-bgp-af-link-state /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn
/exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-ipv4-mdt
/exec/configure/router-bgp/router-bgp-af-l2vpn-vpls

nexthop suppress-default-resolution

[no] nexthop suppress-default-resolution

Syntax Description

no	(Optional) Negate a command or set its defaults
nexthop	Nexthop resolution options
suppress-default-resolution	Prohibit use of default route for nexthop address resolution

Command Mode

- /exec/configure/router-bgp

nexthop trigger-delay critical non-critical

```
{ nexthop trigger-delay critical <criticaldelay> non-critical <noncriticaldelay> } | { no nexthop trigger-delay }
```

Syntax Description

no	Negate a command or set its defaults
nexthop	Nexthop tracking
trigger-delay	Set the delay to trigger nexthop tracking
critical	Nexthop changes affecting reachability
non-critical	Other nexthop changes
<i>noncriticaldelay</i>	Delay value (milliseconds)
<i>criticaldelay</i>	Delay value (milliseconds)

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4-mdt /exec/configure/router-bgp/router-bgp-af-ipv4-vpnv4 /exec/configure/router-bgp/router-bgp-af-ipv4-vpnv6 /exec/configure/router-bgp/router-bgp-af-link-state /exec/configure/router-bgp/router-bgp-af-l2vpn-vpls /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

ngoam authentication-key

{ ngoam authentication-key <value> } | { no ngoam authentication-key [<value>] }

Syntax Description

no	Negate a command or set its defaults
ngoam	Configure ngoam
authentication-key	Ngoam authentication-key
<i>value</i>	authentication key

Command Mode

- /exec/configure

ngoam connect-check

[no] ngoam connect-check <id>

Syntax Description

no	(Optional) Negate a command or set its defaults
ngoam	Configure ngoam
connect-check	Configure ngoam oam connectivity check
<i>id</i>	connect check id

Command Mode

- /exec/configure

ngoam install acl

[no] ngoam install acl

Syntax Description

no	(Optional) Negate a command or set its defaults
ngoam	Configure ngoam
install	Ngoam install
acl	Ngoam install acl

Command Mode

- /exec/configure

ngoam loop-detection

[no] ngoam loop-detection

Syntax Description

no	(Optional) Negate a command or set its defaults
ngoam	Configure ngoam
loop-detection	Configure Loop Detection

Command Mode

- /exec/configure

ngoam loop-detection bringup vlan

```
ngoam loop-detection bringup { vlan <vlan-range> } [ port <port-range> ]
```

Syntax Description

ngoam	Configure ngoam
loop-detection	Configure Loop Detection
bringup	Bringup the ports,if disabled
vlan	Vlan
port	(Optional) Ports to bringup if disabled
<i>vlan-range</i>	vlan range max span 1024, Example: 2000-3000,400,500
<i>port-range</i>	(Optional) Interface for loop detection

Command Mode

- /exec

ngoam loop-detection probe vlan

```
ngoam loop-detection probe { vlan <vlan-range> } [ port <port-range> ]
```

Syntax Description

ngoam	Configure ngoam
loop-detection	Configure Loop Detection
probe	Probe for loop detection
vlan	Start probing on vlan for loop detection
port	(Optional) start probing on port for loop detection
<i>vlan-range</i>	vlan range max span 1024, Example: 2000-3000,400,500
<i>port-range</i>	(Optional) Interface for loop detection

Command Mode

- /exec

ngoam profile

[no] ngoam profile <profile-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
ngoam	Configure ngoam
profile	Configure ngoam oam profile
<i>profile-id</i>	ngoam profile id

Command Mode

- /exec/configure

ngoam xconnect hb-interval

{ ngoam xconnect hb-interval <ms> } | { no ngoam xconnect hb-interval [<ms>] }

Syntax Description

no	Negate a command or set its defaults
ngoam	Configure ngoam
xconnect	Configure xconnect parameters
hb-interval	Configure xconnect heartbeat interval
<i>ms</i>	interval in <i>ms</i> , 3 failures triggers failure default is 190

Command Mode

- /exec/configure

no-more

| no-more

Syntax Description

	Pipe command output to filter
no-more	Turn-off pagination for command output

Command Mode

- /output

no

```
{ [ <seqno> ] no } <permitdeny> <proto_sctp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } [ { { <src_port_op> { <src_port0>
| <src_port0_str> } } | { <src_port_range> { <src_port1> | <src_port1_str> } { <src_port2> | <src_port2_str>
} } | src_portgroup <src_port_group> } ] { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { { <dst_port_op> { <dst_port0>
| <dst_port0_str> } } | { <dst_port_range> { <dst_port1> | <dst_port1_str> } { <dst_port2> | <dst_port2_str>
} } | dst_portgroup <dst_port_group> } ] [ { { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str>
} } ] [ { flow-label <flow_num> } ] [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] [ packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } ] } + } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host
<src_host> } | { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild> } |
<dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } [ { { dscp {
<dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } ] [ { flow-label <flow_num> } ] [ fragments
[ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag
<route_tag_type> ] [ packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } ] [ { udf {
<udf_name> <udf_val> <udf_mask> } + } ] } + } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } |
vlan_priority <vlanpriorityid> ] + [ capture session <session-id> ] }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
<i>proto_sctp</i>	Protocol
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
udf	(Optional) User defined field match
<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
route-tag	(Optional) Match on route-tag for this rule

<i>route_tag_type</i>	(Optional) Route-tag value
<i>src_any</i>	Any
<i>src_key_host</i>	A single source host
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>src_port_op</i>	(Optional) Port operator
<i>src_port_range</i>	(Optional) Port range
<i>src_port0</i>	(Optional) Port number
<i>src_port0_str</i>	(Optional) SCTP port
<i>src_port1</i>	(Optional) Port number
<i>src_port1_str</i>	(Optional) SCTP port
<i>src_port2</i>	(Optional) Port number
<i>src_port2_str</i>	(Optional) SCTP port
<i>src_portgroup</i>	(Optional) src port group
<i>src_port_group</i>	(Optional) Port group name
<i>dst_any</i>	Any
<i>dst_key_host</i>	A single destination host
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dst_port_op</i>	(Optional) Port operator
<i>dst_port_range</i>	(Optional) Port range
<i>dst_port0</i>	(Optional) Port number
<i>dst_port0_str</i>	(Optional) SCTP port
<i>dst_port1</i>	(Optional) Port number
<i>dst_port1_str</i>	(Optional) SCTP port
<i>dst_port2</i>	(Optional) Port number
<i>dst_port2_str</i>	(Optional) SCTP port
<i>dst_portgroup</i>	(Optional) dst port group
<i>dst_port_group</i>	(Optional) Port group name

dscp	(Optional) Match packets with given dscp value and Mask
dscp-mask	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
flow-label	(Optional) Flow label
<i>flow_num</i>	(Optional) Flow label value
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
telemetry_queue	(Optional) Flow of interest for BDC/HDC
telemetry_path	(Optional) IPT enabled
all	(Optional) Filter all traffic (data + control) that matches this rule
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session

Command Mode

- /exec/configure/ipv6acl

no

[no] <seqno>

Syntax Description

no	Negate a command or set its defaults
<i>seqno</i>	Sequence number

Command Mode

- /exec/configure/arpacl /exec/configure/ipgroup /exec/configure/ipv6group /exec/configure/portgroup /exec/configure/timerange

no

[no] <seqno>

Syntax Description

no	Negate a command or set its defaults
<i>seqno</i>	Sequence number

Command Mode

- /exec/configure/macac1

no

[no] <seqno>

Syntax Description

no	Negate a command or set its defaults
<i>seqno</i>	Sequence number

Command Mode

- /exec/configure/mplsac1

no

[no] <seqno>

Syntax Description

no	Negate a command or set its defaults
<i>seqno</i>	Sequence number

Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl

no

```
{ [ <seqno> ] | no } <permitdeny> { { { { ethertype <ethertypeid> } | { ip | <proto> | <ip_other_proto> } {
<src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp
<src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host>
} | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ [ fragments ] | [ log ] [ telemetry_queue ] [ telemetry_path
] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } |
{ ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + | { [ [ fragments ] | [ log ] [
telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type>
] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> }
} | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask>
} + } ] } + } [ capture session <session-id> ] } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } |
vlan_priority <vlanpriorityid> ] + [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] | { udf { <udf_name>
<udf_val> <udf_mask> } + } } { [ <action> <actionid> ] } + [ load-share ] { [ <action> <actionid> ] } + [ {
set-vlan <wf_set_vlan_actionid> } | strip-vlan ] [ log ] [ wideflow [ srcmac { <wfsrc_any> | { <wfsrc_addr>
<wfsrc_wild> } } ] [ dstmac { <wfdst_any> | { <wfdst_addr> <wfdst_wild> } } ] [ vlan <wf_vlan> ] ] | { [
<action> <actionid> ] } + [ telemetry_queue ] | { [ <action> <actionid> ] } + [ telemetry_path ] [ all ] | [
route-tag <route_tag_type> ]
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
ethertype	Configure match based on ethertype
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
<i>ethertypeid</i>	Configure the ethertype value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
ip	Any IP protocol
<i>proto</i>	A protocol number
<i>ip_other_proto</i>	ip_other_proto
<i>src_any</i>	Any

<i>src_addr</i>	Source network address
<i>src_wild</i>	Source wildcard bits
<i>src_prefix</i>	Source network prefix
<i>src_key_host</i>	A single source host
<i>src_host</i>	Source address
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>dst_any</i>	Any
<i>dst_addr</i>	Destination network address
<i>dst_wild</i>	Destination wildcard bits
<i>dst_prefix</i>	Destination network prefix
<i>dst_key_host</i>	A single destination host
<i>dst_host</i>	Destination address
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask
<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
<i>tos</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_num</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_str</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>precedence</i>	(Optional) Match packets with given precedence value
<i>prec_num</i>	(Optional) Precedence value
<i>prec_str</i>	(Optional) Precedence label
<i>fragments</i>	(Optional) Check non-initial fragments
<i>log</i>	(Optional) Log matches against this entry
<i>telemetry_queue</i>	(Optional) Flow of interest for BDC/HDC

<code>telemetry_path</code>	(Optional) IPT enabled
<code>all</code>	(Optional) Filter all traffic (data + control) that matches this rule
<code>time-range</code>	(Optional) Specify a time range
<code>time_range_name</code>	(Optional) Time range name
<code>packet-length</code>	(Optional) Match packets based on layer 3 packet length
<code>plen_op</code>	(Optional) Packet-length operator
<code>plen_range</code>	(Optional) Packet-length range
<code>plen0</code>	(Optional) Packet length
<code>plen1</code>	(Optional) Lower packet length
<code>plen2</code>	(Optional) Higher packet length
<code>ttl</code>	(Optional) Match Packets with a given TTL value
<code>ttl_num</code>	(Optional)
<code>capture</code>	(Optional) Enable packet capture on this filter for session
<code>session</code>	(Optional) Session ID <1-48> for this session
<code>session-id</code>	(Optional) Session ID <1-48> for this session
<code>udf</code>	(Optional) User defined field match
<code>udf_name</code>	(Optional) UDF name
<code>udf_val</code>	(Optional) UDF value to match
<code>udf_mask</code>	(Optional) Mask to apply to UDF value
<code>action</code>	(Optional) Action
<code>actionid</code>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
<code>load-share</code>	(Optional) load share among the ports specified in redirect list
<code>set-vlan</code>	(Optional) tag vlan value for traffic egressing via redirect ports(s)
<code>wf_set_vlan_actionid</code>	(Optional) VLAN number
<code>strip-vlan</code>	(Optional) send vlan untagged packet from redirect port(s)
<code>wideflow</code>	(Optional) flow redirect ACL options, NDB ACL special NXAPI options
<code>srcmac</code>	(Optional) Source MAC Address
<code>wfsrc_any</code>	(Optional) Any

<i>wfsrc_addr</i>	(Optional) Source MAC address
<i>wfsrc_wild</i>	(Optional) Source wildcard bits
<i>dstmac</i>	(Optional) Destination MAC Address
<i>wfdst_any</i>	(Optional) Any
<i>wfdst_addr</i>	(Optional) Destination MAC address
<i>wfdst_wild</i>	(Optional) Destination wildcard bits
<i>vlan</i>	(Optional) Vlan number
<i>wf_vlan</i>	(Optional) VLAN number
<i>route-tag</i>	(Optional) Match on route-tag for this rule
<i>route_tag_type</i>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipacl

no

```

{ [ <seqno> ] | no } <permitdeny> { { ethertype <ethertypeid> } | { <proto_tcp> { { { <src_any> | {
<src_addr><src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name>
} } [ { { <src_port_op> { <src_port0> | <src_port0_str> } } | { <src_port_range> { <src_port1> |
<src_port1_str> } { <src_port2> | <src_port2_str> } } | src_portgroup <src_port_group> } ] { <dst_any> | {
<dst_addr><dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } [ { { <dst_port_op> { <dst_port0> | <dst_port0_str> } } | { <dst_port_range> { <dst_port1> |
<dst_port1_str> } { <dst_port2> | <dst_port2_str> } } | dst_portgroup <dst_port_group> } ] { { [ urg | ack |
psh | rst | syn | fin | established | [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name>
] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2>
} | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } | { http-method { <opt_num> |
<opt_str> } } | { tcp-option-length <tcp_opt_len> } | { tcp-flags-mask <tcp_flags_mask> } | { ttl <ttl_num>
} ] } + { [ urg | ack | psh | rst | syn | fin | established | [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } | { ttl
<ttl_num> } ] } + } [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] | { { <src_any> | { <src_addr>
<src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } {
<dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp
<dst_addrgrp_name> } } } { [ [ fragments ] | [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } | { ttl <ttl_num>
} | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + { [ [ fragments ] | [ log ] [ telemetry_queue ] [
telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length {
<plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence {
<prec_num> | <prec_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + }
} } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } ] vlan_priority <vlanpriorityid> ] + { { [ urg
| ack | psh | rst | syn | fin | established | [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } | { http-method
{ <opt_num> | <opt_str> } } | { tcp-option-length <tcp_opt_len> } | { tcp-flags-mask <tcp_flags_mask> } |
{ ttl <ttl_num> } ] } + { [ urg | ack | psh | rst | syn | fin | established | [ log ] [ telemetry_queue ] [ telemetry_path
] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str>
} } | { ttl <ttl_num> } ] } + } [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] [ capture session
<session-id> ] [ { <action> <actionid> } ] + [ load-share ] [ { <action> <actionid> } ] + [ { set-vlan
<wf_set_vlan_actionid> } | strip-vlan ] [ log ] [ wideflow [ srcmac { <wfsrc_any> | { <wfsrc_addr>
<wfsrc_wild> } } ] [ dstmac { <wfdst_any> | { <wfdst_addr> <wfdst_wild> } } ] [ vlan <wf_vlan> ] ]

```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
ethertype	Configure match based on ethertype
vlan	(Optional) Configure match based on vlan

<i>ingress_intf</i>	(Optional) Configure match based on ingress interface
<i>vlan_priority</i>	(Optional) Configure match based on priority
<i>ethertypeid</i>	Configure the ethertype value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>proto_tcp</i>	Protocol
<i>src_any</i>	Any
<i>src_addr</i>	Source network address
<i>src_wild</i>	Source wildcard bits
<i>src_prefix</i>	Source network prefix
<i>src_key_host</i>	A single source host
<i>src_host</i>	Source address
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>src_port_op</i>	(Optional) Port operator
<i>src_port_range</i>	(Optional) Port range
<i>src_port0</i>	(Optional) Port number
<i>src_port0_str</i>	(Optional) TCP port
<i>src_port1</i>	(Optional) Port number
<i>src_port1_str</i>	(Optional) TCP port
<i>src_port2</i>	(Optional) Port number
<i>src_port2_str</i>	(Optional) TCP port
<i>src_portgroup</i>	(Optional) src port group
<i>src_port_group</i>	(Optional) Port group name
<i>dst_any</i>	Any
<i>dst_addr</i>	Destination network address
<i>dst_wild</i>	Destination wildcard bits

<i>dst_prefix</i>	Destination network prefix
<i>dst_key_host</i>	A single destination host
<i>dst_host</i>	Destination address
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dst_port_op</i>	(Optional) Port operator
<i>dst_port_range</i>	(Optional) Port range
<i>dst_port0</i>	(Optional) Port number
<i>dst_port0_str</i>	(Optional) TCP port
<i>dst_port1</i>	(Optional) Port number
<i>dst_port1_str</i>	(Optional) TCP port
<i>dst_port2</i>	(Optional) Port number
<i>dst_port2_str</i>	(Optional) TCP port
<i>dst_portgroup</i>	(Optional) dst port group
<i>dst_port_group</i>	(Optional) Port group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask
<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
<i>tos</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_num</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_str</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>precedence</i>	(Optional) Match packets with given precedence value
<i>prec_num</i>	(Optional) Precedence value
<i>prec_str</i>	(Optional) Precedence label
<i>fragments</i>	(Optional) Check non-initial fragments
<i>log</i>	(Optional) Log matches against this entry
<i>telemetry_queue</i>	(Optional) Flow of interest for BDC/HDC

telemetry_path	(Optional) IPT enabled
all	(Optional) Filter all traffic (data + control) that matches this rule
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
ttl	(Optional) Match Packets with a given TTL value
<i>ttnum</i>	(Optional)
tcp-option-length	(Optional) Specify TCP Options size
<i>tcp_opt_len</i>	(Optional) TCP option length (multiples of 4 bytes)
tcp-flags-mask	(Optional) Specify TCP Flags
<i>tcp_flags_mask</i>	(Optional) TCP flags mask
http-method	(Optional) Match packets based on http-method
<i>opt_num</i>	(Optional) http_option value
<i>opt_str</i>	(Optional) http_option_param
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
urg	(Optional) Match on the URG bit
ack	(Optional) Match on the ACK bit
psh	(Optional) Match on the PSH bit
rst	(Optional) Match on the RST bit

<code>syn</code>	(Optional) Match on the SYN bit
<code>fin</code>	(Optional) Match on the FIN bit
<code>established</code>	(Optional) Match established connections
<code>udf</code>	(Optional) User defined field match
<code>udf_name</code>	(Optional) UDF name
<code>udf_val</code>	(Optional) UDF value to match
<code>udf_mask</code>	(Optional) Mask to apply to UDF value
<code>capture</code>	(Optional) Enable packet capture on this filter for session
<code>session</code>	(Optional) Session ID <1-48> for this session
<code>session-id</code>	(Optional) Session ID <1-48> for this session
<code>action</code>	(Optional) Action
<code>actionid</code>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
<code>load-share</code>	(Optional) load share among the ports specified in redirect list
<code>set-vlan</code>	(Optional) tag vlan value for traffic egressing via redirect ports(s)
<code>wf_set_vlan_actionid</code>	(Optional) VLAN number
<code>strip-vlan</code>	(Optional) send vlan untagged packet from redirect port(s)
<code>wideflow</code>	(Optional) flow redirect ACL options, NDB ACL special NXAPI options
<code>srcmac</code>	(Optional) Source MAC Address
<code>wfsrc_any</code>	(Optional) Any
<code>wfsrc_addr</code>	(Optional) Source MAC address
<code>wfsrc_wild</code>	(Optional) Source wildcard bits
<code>dstmac</code>	(Optional) Destination MAC Address
<code>wfdst_any</code>	(Optional) Any
<code>wfdst_addr</code>	(Optional) Destination MAC address
<code>wfdst_wild</code>	(Optional) Destination wildcard bits
<code>vlan</code>	(Optional) Vlan number
<code>wf_vlan</code>	(Optional) VLAN number
<code>route-tag</code>	(Optional) Match on route-tag for this rule

no

<i>route_tag_type</i>	(Optional) Route-tag value
-----------------------	----------------------------

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] | no } <permitdeny> { { ethertype <ethertypeid> } | { <proto_udp> { { { <src_any> | {
<src_addr><src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name>
} } [ { { <src_port_op> { <src_port0> | <src_port0_str> } } | { <src_port_range> { <src_port1> |
<src_port1_str> } { <src_port2> | <src_port2_str> } } | src_portgroup <src_port_group> } ] { <dst_any> | {
<dst_addr><dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } [ { { <dst_port_op> { <dst_port0> | <dst_port0_str> } } | { <dst_port_range> { <dst_port1> |
<dst_port1_str> } { <dst_port2> | <dst_port2_str> } } | dst_portgroup <dst_port_group> } ] { { [ log ] [
telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type>
] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask
] <dscp_mask> ] | <dscp_str> } } | { ttl <ttl_num> } } ] + | { [ log ] [ telemetry_queue ] [ telemetry_path ]
[ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str>
} } | { ttl <ttl_num> } } ] + } [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] [ nve vni <vni-id> ] ] | {
<src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp
<src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host>
} | { dst_key_addrgrp <dst_addrgrp_name> } } { { [ fragments ] | [ log ] [ telemetry_queue ] [ telemetry_path
] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } |
{ ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + | { [ fragments ] | [ log ] [
telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type>
] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> }
} | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask>
} + } ] } + } ] [ nve vni <vni-id> ] } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority
<vlanpriorityid> ] + { { [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [
all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> }
| { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } | { ttl <ttl_num> } } ] } + | { [ log ] [
telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type>
] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> }
} | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } } ] } + [ { udf { <udf_name> <udf_val>
<udf_mask> } + } ] [ capture session <session-id> ] [ <action> <actionid> ] } + [ load-share ] [ { <action>
<actionid> } ] + [ set-vlan <wf_set_vlan_actionid> ] | strip-vlan [ log ] [ wideflow [ srcmac { <wfsrc_any>
| { <wfsrc_addr> <wfsrc_wild> } } ] [ dstmac { <wfdst_any> | { <wfdst_addr> <wfdst_wild> } } ] [ vlan
<wf_vlan> ] ] ]
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
ethertype	Configure match based on ethertype
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority

<i>ethertypeid</i>	Configure the ethertype value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>proto_udp</i>	Protocol
<i>src_any</i>	Any
<i>src_addr</i>	Source network address
<i>src_wild</i>	Source wildcard bits
<i>src_prefix</i>	Source network prefix
<i>src_key_host</i>	A single source host
<i>src_host</i>	Source address
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>src_port_op</i>	(Optional) Port operator
<i>src_port_range</i>	(Optional) Port range
<i>src_port0</i>	(Optional) Port number
<i>src_port0_str</i>	(Optional) UDP port
<i>src_port1</i>	(Optional) Port number
<i>src_port1_str</i>	(Optional) UDP port
<i>src_port2</i>	(Optional) Port number
<i>src_port2_str</i>	(Optional) UDP port
<i>src_portgroup</i>	(Optional) src port group
<i>src_port_group</i>	(Optional) Port group name
<i>dst_any</i>	Any
<i>dst_addr</i>	Destination network address
<i>dst_wild</i>	Destination wildcard bits
<i>dst_prefix</i>	Destination network prefix
<i>dst_key_host</i>	A single destination host

<i>dst_host</i>	Destination address
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dst_port_op</i>	(Optional) Port operator
<i>dst_port_range</i>	(Optional) Port range
<i>dst_port0</i>	(Optional) Port number
<i>dst_port0_str</i>	(Optional) UDP port
<i>dst_port1</i>	(Optional) Port number
<i>dst_port1_str</i>	(Optional) UDP port
<i>dst_port2</i>	(Optional) Port number
<i>dst_port2_str</i>	(Optional) UDP port
<i>dst_portgroup</i>	(Optional) dst port group
<i>dst_port_group</i>	(Optional) Port group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask
<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
<i>tos</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_num</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_str</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>precedence</i>	(Optional) Match packets with given precedence value
<i>prec_num</i>	(Optional) Precedence value
<i>prec_str</i>	(Optional) Precedence label
<i>fragments</i>	(Optional) Check non-initial fragments
<i>log</i>	(Optional) Log matches against this entry
<i>telemetry_queue</i>	(Optional) Flow of interest for BDC/HDC
<i>telemetry_path</i>	(Optional) IPT enabled
<i>all</i>	(Optional) Filter all traffic (data + control) that matches this rule

time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
ttl	(Optional) Match Packets with a given TTL value
<i>ttl_num</i>	(Optional)
nve	(Optional) VNI ID <0-16777215>
vni	(Optional) VNI ID <0-16777215>
<i>vni-id</i>	(Optional) VNI ID <0-16777215>
udf	(Optional) User defined field match
<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
load-share	(Optional) load share among the ports specified in redirect list
set-vlan	(Optional) tag vlan value for traffic egressing via redirect ports(s)
<i>wf_set_vlan_actionid</i>	(Optional) VLAN number
strip-vlan	(Optional) send vlan untagged packet from redirect port(s)
wideflow	(Optional) flow redirect ACL options, NDB ACL special NXAPI options
srcmac	(Optional) Source MAC Address

<i>wfsrc_any</i>	(Optional) Any
<i>wfsrc_addr</i>	(Optional) Source MAC address
<i>wfsrc_wild</i>	(Optional) Source wildcard bits
<i>dstmac</i>	(Optional) Destination MAC Address
<i>wfdst_any</i>	(Optional) Any
<i>wfdst_addr</i>	(Optional) Destination MAC address
<i>wfdst_wild</i>	(Optional) Destination wildcard bits
<i>vlan</i>	(Optional) Vlan number
<i>wf_vlan</i>	(Optional) VLAN number
<i>route-tag</i>	(Optional) Match on route-tag for this rule
<i>route_tag_type</i>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipacl

no

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_igmp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | { <dst_addr>
<dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [
[ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag
<route_tag_type> ] | <igmp_num> | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> }
| { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } ] + [ [ log ] [ telemetry_queue ] [
telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | <igmp_str> |
packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask
] <dscp_mask> ] | <dscp_str> } } ] + [ [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | <igmp_num> | packet-length { <plen_op>
<plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } ] | { precedence { <prec_num>
| <prec_str> } } ] + [ [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all
] [ route-tag <route_tag_type> ] | <igmp_str> | packet-length { <plen_op> <plen0> | <plen_range> <plen1>
<plen2> } | { tos { <tos_num> | <tos_str> } } ] | { precedence { <prec_num> | <prec_str> } } ] + } | { {
<src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp
<src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host>
} | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ [ fragments ] [ log ] [ telemetry_queue ] [ telemetry_path
] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } ]
| { ttl <ttl_num> } } ] + [ [ [ fragments ] [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } ] | { precedence { <prec_num> | <prec_str> } } ] | { ttl
<ttl_num> } } ] + } ] [ capture session <session-id> ] { [ <action> <actionid> ] } + [ load-share ] { [ <action>
<actionid> ] } + [ { set-vlan <wf_set_vlan_actionid> } | strip-vlan ] [ log ] [ wideflow [ srcmac { <wfsrc_any>
| { <wfsrc_addr> <wfsrc_wild> } } ] [ dstmac { <wfdst_any> | { <wfdst_addr> <wfdst_wild> } } ] [ vlan
<wf_vlan> ] ] }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
<i>proto_igmp</i>	Protocol
<i>src_any</i>	Any
<i>src_addr</i>	Source network address
<i>src_wild</i>	Source wildcard bits
<i>src_prefix</i>	Source network prefix
src_key_host	A single source host
<i>src_host</i>	Source address
src_key_addrgrp	Source address group

<i>src_addrgrp_name</i>	Address group name
<i>dst_any</i>	Any
<i>dst_addr</i>	Destination network address
<i>dst_wild</i>	Destination wildcard bits
<i>dst_prefix</i>	Destination network prefix
<i>dst_key_host</i>	A single destination host
<i>dst_host</i>	Destination address
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask
<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
<i>tos</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_num</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_str</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>precedence</i>	(Optional) Match packets with given precedence value
<i>prec_num</i>	(Optional) Precedence value
<i>prec_str</i>	(Optional) Precedence label
<i>fragments</i>	(Optional) Check non-initial fragments
<i>log</i>	(Optional) Log matches against this entry
<i>telemetry_queue</i>	(Optional) Flow of interest for BDC/HDC
<i>telemetry_path</i>	(Optional) IPT enabled
<i>all</i>	(Optional) Filter all traffic (data + control) that matches this rule
<i>time-range</i>	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
<i>packet-length</i>	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator

<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
<i>ttl</i>	(Optional) Match Packets with a given TTL value
<i>ttl_num</i>	(Optional)
<i>igmp_num</i>	(Optional) IGMPv1 message type
<i>igmp_str</i>	(Optional) IGMP type
<i>capture</i>	(Optional) Enable packet capture on this filter for session
<i>session</i>	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
<i>load-share</i>	(Optional) load share among the ports specified in redirect list
<i>set-vlan</i>	(Optional) tag vlan value for traffic egressing via redirect ports(s)
<i>wf_set_vlan_actionid</i>	(Optional) VLAN number
<i>strip-vlan</i>	(Optional) send vlan untagged packet from redirect port(s)
<i>widest</i>	(Optional) flow redirect ACL options, NDB ACL special NXAPI options
<i>srcmac</i>	(Optional) Source MAC Address
<i>wfsrc_any</i>	(Optional) Any
<i>wfsrc_addr</i>	(Optional) Source MAC address
<i>wfsrc_wild</i>	(Optional) Source wildcard bits
<i>dstmac</i>	(Optional) Destination MAC Address
<i>wfdst_any</i>	(Optional) Any
<i>wfdst_addr</i>	(Optional) Destination MAC address
<i>wfdst_wild</i>	(Optional) Destination wildcard bits
<i>vlan</i>	(Optional) Vlan number
<i>wf_vlan</i>	(Optional) VLAN number

route-tag	(Optional) Match on route-tag for this rule
<i>route_tag_type</i>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] no } <permitdeny> { { { ethertype <ethertypeid> } | { <proto_icmp> { { { <src_any> | {
<src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name>
} } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp
<dst_addrgrp_name> } } } { [ [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name>
] [ all ] [ route-tag <route_tag_type> ] | { <icmp_type> [ <icmp_code> ] } | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } } ]
+ [ [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag
<route_tag_type> ] | <icmp_str> | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } |
{ dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } } ] + [ [ log ] [ telemetry_queue ] [
telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | { <icmp_type> [
<icmp_code> ] } | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num>
| <tos_str> } } | { precedence { <prec_num> | <prec_str> } } } ] + [ [ log ] [ telemetry_queue ] [ telemetry_path
] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | <icmp_str> | packet-length {
<plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num> | <tos_str> } } | { precedence {
<prec_num> | <prec_str> } } } ] + } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host
<src_host> } | { src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } |
<dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { { [ [ fragments ]
| [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag
<route_tag_type> ] ] packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { dscp {
<dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } } | { ttl <ttl_num> } } } ] + [ [ [ fragments ] | [
log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag
<route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num>
| <tos_str> } } | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } } } ] + } } } [ vlan <vlanid>
| ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ capture session <session-id> ] {
[ <action> <actionid> ] } + [ load-share { [ <action> <actionid> ] } } + [ { set-vlan <wf_set_vlan_actionid>
} | strip-vlan ] [ log ] [ wideflow [ srcmac { <wfsrc_any> | { <wfsrc_addr> <wfsrc_wild> } } ] [ dstmac {
<wfdst_any> | { <wfdst_addr> <wfdst_wild> } } ] [ vlan <wf_vlan> ] ] }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
ethertype	Configure match based on ethertype
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
<i>ethertypeid</i>	Configure the ethertype value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index

<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>proto_icmp</i>	Protocol
<i>src_any</i>	Any
<i>src_addr</i>	Source network address
<i>src_wild</i>	Source wildcard bits
<i>src_prefix</i>	Source network prefix
<i>src_key_host</i>	A single source host
<i>src_host</i>	Source address
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>dst_any</i>	Any
<i>dst_addr</i>	Destination network address
<i>dst_wild</i>	Destination wildcard bits
<i>dst_prefix</i>	Destination network prefix
<i>dst_key_host</i>	A single destination host
<i>dst_host</i>	Destination address
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask
<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
<i>tos</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_num</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tos_str</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>precedence</i>	(Optional) Match packets with given precedence value
<i>prec_num</i>	(Optional) Precedence value

<i>prec_str</i>	(Optional) Precedence label
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
telemetry_queue	(Optional) Flow of interest for BDC/HDC
telemetry_path	(Optional) IPT enabled
all	(Optional) Filter all traffic (data + control) that matches this rule
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
ttl	(Optional) Match Packets with a given TTL value
<i>ttl_num</i>	(Optional)
<i>icmp_type</i>	(Optional) ICMP message type
<i>icmp_code</i>	(Optional) ICMP message code
<i>icmp_str</i>	(Optional) ICMP label
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
load-share	(Optional) load share among the ports specified in redirect list
set-vlan	(Optional) tag vlan value for traffic egressing via redirect ports(s)
<i>wf_set_vlan_actionid</i>	(Optional) VLAN number
strip-vlan	(Optional) send vlan untagged packet from redirect port(s)

widelflow	(Optional) flow redirect ACL options, NDB ACL special NXAPI options
sremac	(Optional) Source MAC Address
wfsrc_any	(Optional) Any
wfsrc_addr	(Optional) Source MAC address
wfsrc_wild	(Optional) Source wildcard bits
dstmac	(Optional) Destination MAC Address
wfdst_any	(Optional) Any
wfdst_addr	(Optional) Destination MAC address
wfdst_wild	(Optional) Destination wildcard bits
vlan	(Optional) Vlan number
wf_vlan	(Optional) VLAN number
route-tag	(Optional) Match on route-tag for this rule
route_tag_type	(Optional) Route-tag value

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] no } <permitdeny> { { ipv6 | <proto> | <ipv6_other_proto> } { <src_any> | { <src_addr>
<src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } {
<dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp
<dst_addrgrp_name> } } { [ { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } ] [ {
flow-label <flow_num> } ] [ fragments ] [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] [ packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } ] [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + [ vlan <vlanid> | ingress_intf
{ <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ { udf { <udf_name> <udf_val> <udf_mask>
} + } ] [ capture session <session-id> ] [ { <actionv6> <actionidv6> } ] + [ load-share ] [ { <actionv6>
<actionidv6> } ] [ log ] [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
ipv6	Any IPV6 protocol
<i>proto</i>	A protocol number
<i>ipv6_other_proto</i>	ipv6_other_proto
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
udf	(Optional) User defined field match
<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>src_any</i>	Any
src_key_host	A single source host
src_key_addrgrp	Source address group

<i>src_addrgrp_name</i>	Address group name
<i>dst_any</i>	Any
<i>dst_key_host</i>	A single destination host
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask
<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
<i>flow-label</i>	(Optional) Flow label
<i>flow_num</i>	(Optional) Flow label value
<i>fragments</i>	(Optional) Check non-initial fragments
<i>log</i>	(Optional) Log matches against this entry
<i>telemetry_queue</i>	(Optional) Flow of interest for BDC/HDC
<i>telemetry_path</i>	(Optional) IPT enabled
<i>all</i>	(Optional) Filter all traffic (data + control) that matches this rule
<i>time-range</i>	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
<i>packet-length</i>	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
<i>capture</i>	(Optional) Enable packet capture on this filter for session
<i>session</i>	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
<i>actionv6</i>	(Optional) ActionV6

<i>actionidv6</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
load-share	(Optional) load share among the ports specified in redirect list
route-tag	(Optional) Match on route-tag for this rule
<i>route_tag_type</i>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipv6acl

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_tcp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } [ { { <src_port_op> { <src_port0>
| <src_port0_str> } } | { <src_port_range> { <src_port1> | <src_port1_str> } { <src_port2> | <src_port2_str>
} } | src_portgroup <src_port_group> } ] { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { { <dst_port_op> { <dst_port0>
| <dst_port0_str> } } | { <dst_port_range> { <dst_port1> | <dst_port1_str> } { <dst_port2> | <dst_port2_str>
} } | dst_portgroup <dst_port_group> } ] [ { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str>
} } ] [ { flow-label <flow_num> } ] [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] [ urg | ack | psh | rst | syn | fin | established ] | {
tcp-flags-mask <tcp_flags_mask> } | [ packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2>
} ] ] + [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] | { { <src_any> | { <src_addr> <src_wild> }
| <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | {
<dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } [ { { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str> } } ] [ { flow-label <flow_num> }
] [ fragments ] [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name> ] [ all ] [
route-tag <route_tag_type> ] [ packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } ] [ {
udf { <udf_name> <udf_val> <udf_mask> } + } ] + } ] [ vlan <vlanid> | ingress_intf { <intfid> | <intfname>
} | vlan_priority <vlanpriorityid> ] + [ capture session <session-id> ] [ { <actionv6> <actionidv6> } ] [ {
<actionv6> <actionidv6> } ] + [ load-share ] [ log ]
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
<i>proto_tcp</i>	Protocol
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
udf	(Optional) User defined field match
<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority

<i>src_any</i>	Any
<i>src_key_host</i>	A single source host
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>src_port_op</i>	(Optional) Port operator
<i>src_port_range</i>	(Optional) Port range
<i>src_port0</i>	(Optional) Port number
<i>src_port0_str</i>	(Optional) TCP port
<i>src_port1</i>	(Optional) Port number
<i>src_port1_str</i>	(Optional) TCP port
<i>src_port2</i>	(Optional) Port number
<i>src_port2_str</i>	(Optional) TCP port
<i>src_portgroup</i>	(Optional) src port group
<i>src_port_group</i>	(Optional) Port group name
<i>dst_any</i>	Any
<i>dst_key_host</i>	A single destination host
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dst_port_op</i>	(Optional) Port operator
<i>dst_port_range</i>	(Optional) Port range
<i>dst_port0</i>	(Optional) Port number
<i>dst_port0_str</i>	(Optional) TCP port
<i>dst_port1</i>	(Optional) Port number
<i>dst_port1_str</i>	(Optional) TCP port
<i>dst_port2</i>	(Optional) Port number
<i>dst_port2_str</i>	(Optional) TCP port
<i>dst_portgroup</i>	(Optional) dst port group
<i>dst_port_group</i>	(Optional) Port group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask

<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
flow-label	(Optional) Flow label
<i>flow_num</i>	(Optional) Flow label value
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
telemetry_queue	(Optional) Flow of interest for BDC/HDC
telemetry_path	(Optional) IPT enabled
all	(Optional) Filter all traffic (data + control) that matches this rule
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
tcp-flags-mask	Specify TCP Flags
<i>tcp_flags_mask</i>	TCP flags mask
urg	(Optional) Match on the URG bit
ack	(Optional) Match on the ACK bit
psh	(Optional) Match on the PSH bit
rst	(Optional) Match on the RST bit
syn	(Optional) Match on the SYN bit
fin	(Optional) Match on the FIN bit
established	(Optional) Match established connections
capture	(Optional) Enable packet capture on this filter for session

<code>session</code>	(Optional) Session ID <1-48> for this session
<code>session-id</code>	(Optional) Session ID <1-48> for this session
<code>actionv6</code>	(Optional) ActionV6
<code>actionidv6</code>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
<code>load-share</code>	(Optional) load share among the ports specified in redirect list
<code>route-tag</code>	(Optional) Match on route-tag for this rule
<code>route_tag_type</code>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipv6acl

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_udp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } [ { { <src_port_op> { <src_port0>
| <src_port0_str> } } | { <src_port_range> { <src_port1> | <src_port1_str> } { <src_port2> | <src_port2_str>
} } | src_portgroup <src_port_group> } ] { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { { <dst_port_op> { <dst_port0>
| <dst_port0_str> } } | { <dst_port_range> { <dst_port1> | <dst_port1_str> } { <dst_port2> | <dst_port2_str>
} } | dst_portgroup <dst_port_group> } ] [ { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str>
} } ] [ { flow-label <flow_num> } ] [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] [ packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } ] } + [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] } [ nve vni <vni-id> ] | { {
<src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp
<src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host>
} | { dst_key_addrgrp <dst_addrgrp_name> } } [ { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] |
<dscp_str> } } ] [ { flow-label <flow_num> } ] [ fragments ] [ log ] [ telemetry_queue ] [ telemetry_path ] [
time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] [ packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } ] [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + } ] [ nve vni
<vni-id> ] [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ capture
session <session-id> ] { [ <actionv6> <actionidv6> ] } { [ <actionv6> <actionidv6> ] } + [ load-share ] [ log
]
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
<i>proto_udp</i>	Protocol
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
udf	(Optional) User defined field match
<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority

<i>src_any</i>	Any
<i>src_key_host</i>	A single source host
<i>src_key_addrgrp</i>	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>src_port_op</i>	(Optional) Port operator
<i>src_port_range</i>	(Optional) Port range
<i>src_port0</i>	(Optional) Port number
<i>src_port0_str</i>	(Optional) UDP port
<i>src_port1</i>	(Optional) Port number
<i>src_port1_str</i>	(Optional) UDP port
<i>src_port2</i>	(Optional) Port number
<i>src_port2_str</i>	(Optional) UDP port
<i>src_portgroup</i>	(Optional) src port group
<i>src_port_group</i>	(Optional) Port group name
<i>dst_any</i>	Any
<i>dst_key_host</i>	A single destination host
<i>dst_key_addrgrp</i>	Destination address group
<i>dst_addrgrp_name</i>	Address group name
<i>dst_port_op</i>	(Optional) Port operator
<i>dst_port_range</i>	(Optional) Port range
<i>dst_port0</i>	(Optional) Port number
<i>dst_port0_str</i>	(Optional) UDP port
<i>dst_port1</i>	(Optional) Port number
<i>dst_port1_str</i>	(Optional) UDP port
<i>dst_port2</i>	(Optional) Port number
<i>dst_port2_str</i>	(Optional) UDP port
<i>dst_portgroup</i>	(Optional) dst port group
<i>dst_port_group</i>	(Optional) Port group name
<i>dscp</i>	(Optional) Match packets with given dscp value and Mask

<i>dscp-mask</i>	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
flow-label	(Optional) Flow label
<i>flow_num</i>	(Optional) Flow label value
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
telemetry_queue	(Optional) Flow of interest for BDC/HDC
telemetry_path	(Optional) IPT enabled
all	(Optional) Filter all traffic (data + control) that matches this rule
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
nve	(Optional) VNI ID <0-16777215>
vni	(Optional) VNI ID <0-16777215>
<i>vni-id</i>	(Optional) VNI ID <0-16777215>
<i>actionv6</i>	(Optional) ActionV6
<i>actionidv6</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-PROTO: <1-65535> redirect_all: Ethernet1/1,port-channel1
load-share	(Optional) load share among the ports specified in redirect list

route-tag	(Optional) Match on route-tag for this rule
<i>route_tag_type</i>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipv6acl

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_icmpv6> { { { { <src_any> | { <src_addr> <src_wild> } |
<src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | {
<dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } } { { { <icmpv6_type> [ <icmpv6_code> ] } | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] |
<dscp_str> } } } | { flow-label <flow_num> } } [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range
<time_range_name> ] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } } + | [ <icmpv6_str> | { dscp { <dscp_num> [ [ dscp-mask ] <dscp_mask> ] | <dscp_str>
} } } | { flow-label <flow_num> } } [ log ] [ telemetry_queue ] [ telemetry_path ] [ time-range <time_range_name>
] [ all ] [ route-tag <route_tag_type> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2>
} } + } } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } } | {
src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ { dscp { <dscp_num> [ [ dscp-mask
] <dscp_mask> ] | <dscp_str> } } } ] [ { flow-label <flow_num> } } ] [ fragments ] [ log ] [ telemetry_queue ] [
telemetry_path ] [ time-range <time_range_name> ] [ all ] [ route-tag <route_tag_type> ] [ packet-length {
<plen_op> <plen0> | <plen_range> <plen1> <plen2> } } ] [ { udf { <udf_name> <udf_val> <udf_mask> } +
} ] + } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ capture
session <session-id> ] { [ <actionv6> <actionidv6> ] } { [ <actionv6> <actionidv6> ] } + [ load-share ] [ log
] }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
<i>proto_icmpv6</i>	Protocol
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
udf	(Optional) User defined field match
<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority

<i>src_any</i>	Any
src_key_host	A single source host
src_key_addrgrp	Source address group
<i>src_addrgrp_name</i>	Address group name
<i>dst_any</i>	Any
dst_key_host	A single destination host
dst_key_addrgrp	Destination address group
<i>dst_addrgrp_name</i>	Address group name
dscp	(Optional) Match packets with given dscp value and Mask
dscp-mask	(Optional) DSCP wildcard Mask
<i>dscp_num</i>	(Optional) Differentiated services codepoint value
<i>dscp_mask</i>	(Optional) Differentiated services codepoint mask - 0 to 0x3F
<i>dscp_str</i>	(Optional) Differentiated services codepoint label
flow-label	(Optional) Flow label
<i>flow_num</i>	(Optional) Flow label value
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
telemetry_queue	(Optional) Flow of interest for BDC/HDC
telemetry_path	(Optional) IPT enabled
all	(Optional) Filter all traffic (data + control) that matches this rule
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
<i>plen_op</i>	(Optional) Packet-length operator
<i>plen_range</i>	(Optional) Packet-length range
<i>plen0</i>	(Optional) Packet length
<i>plen1</i>	(Optional) Lower packet length
<i>plen2</i>	(Optional) Higher packet length
<i>icmpv6_type</i>	(Optional) ICMPv6 message type

<i>icmpv6_code</i>	(Optional) ICMPv6 message code
<i>icmpv6_str</i>	(Optional) ICMPv6 label
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
<i>actionv6</i>	(Optional) ActionV6
<i>actionidv6</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
load-share	(Optional) load share among the ports specified in redirect list
route-tag	(Optional) Match on route-tag for this rule
<i>route_tag_type</i>	(Optional) Route-tag value

Command Mode

- /exec/configure/ipv6acl

no

{ [<seqno>] | no } { <addr> <wild> | <prefix> | host <hostaddr> }

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>addr</i>	A.B.C.D Network address of object-group member
<i>wild</i>	A.B.C.D wildcard
<i>prefix</i>	A.B.C.D/nn Network prefix of the object-group member
host	Host address of the object-group member
<i>hostaddr</i>	A.B.C.D Host address

Command Mode

- /exec/configure/ipgroup

no

{ [<seqno>] | no } { <addr> <wild> | <prefix> | host <hostaddr> }

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
host	Host address of the object-group member

Command Mode

- /exec/configure/ipv6group

no

```
{ [ <seqno> ] | no } { <_port_op> <port0_num> | <_port_range> <port1_num> <port2_num> }
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>_port_op</i>	Port operator
<i>_port_range</i>	Port range
<i>port0_num</i>	Port number
<i>port1_num</i>	Port number
<i>port2_num</i>	Port number

Command Mode

- /exec/configure/portgroup

no

```
{ [ <seqno> ] | no } <permitdeny> { <src_any> | { <src_addr> <src_wild> } } { <dst_any> | { <dst_addr>
<dst_wild> } } [ <mac_proto> | <mac_proto_str> ] [ vlan <vlan> | cos <cos> ] + [ time-range
<time_range_name> ] [ capture session <session-id> ] { [ <macaction> <macactionid> ] } + [ load-share ] {
[ <macaction> <macactionid> ] } + [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] [ all ]
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
<i>permitdeny</i>	Permit/deny
<i>src_any</i>	Any
<i>src_addr</i>	Source MAC address
<i>src_wild</i>	Source wildcard bits
<i>dst_any</i>	Any
<i>dst_addr</i>	Destination MAC address
<i>dst_wild</i>	Destination wildcard bits
<i>mac_proto</i>	(Optional) MAC protocol number
<i>mac_proto_str</i>	(Optional) MAC protocol name
vlan	(Optional) VLAN number
cos	(Optional) CoS value
<i>vlan</i>	(Optional) VLAN number
<i>cos</i>	(Optional) CoS value
time-range	(Optional) Specify a time range
<i>time_range_name</i>	(Optional) Time range name
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
<i>session-id</i>	(Optional) Session ID <1-48> for this session
<i>macaction</i>	(Optional) MAC ACL Action
<i>macactionid</i>	(Optional) redirect: Ethernet1/1,port-channel1
udf	(Optional) User defined field match

<i>udf_name</i>	(Optional) UDF name
<i>udf_val</i>	(Optional) UDF value to match
<i>udf_mask</i>	(Optional) Mask to apply to UDF value
load-share	(Optional) load share among the ports specified in redirect list
all	(Optional) Filter all traffic (data + control) that matches this rule

Command Mode

- /exec/configure/macac1

no

[no] { userprofile | trustedCert | CRLLookup | user-switch-bind | user-certdn-match | user-pubkey-match }

Syntax Description

no	Negate a command or set its defaults
userprofile	Delete the userprofile
trustedCert	Delete the trustedCert
CRLLookup	Delete the CRLLookup
user-switch-bind	Delete the user-switch-bind
user-certdn-match	Delete the certificate matching
user-pubkey-match	Delete the pubkey matching

Command Mode

- /exec/configure/ldap/search

no

no

Syntax Description

no	Negate a command or set its defaults
----	--------------------------------------

Command Mode

- /exec/configure/vsan-db

node ip

[no] node { ip <ip-addr> | IPv6 <ip-addrv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
node	ITD node
ip	ITD node IPv4 address
<i>ip-addr</i>	ITD node IP4 prefix in format i.i.i.i
IPv6	ITD node IPv6 address

Command Mode

- /exec/configure/itd-device-group

node ip

[no] node { ip <ip-addr> | IPv6 <ip-addrv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
node	ITD node
ip	ITD node IPv4 address
<i>ip-addr</i>	ITD node IP4 prefix in format i.i.i.i
IPv6	ITD node IPv6 address

Command Mode

- /exec/configure/itd-session-device-group

npv auto-load-balance disruptive

[no] npv auto-load-balance disruptive

Syntax Description

no	(Optional) Negate a command or set its defaults
npv	Config commands for FC N_port Virtualizer
auto-load-balance	configure auto load balancing among preferred external links
disruptive	enable disruptive auto load balancing among external links

Command Mode

- /exec/configure

npv traffic-map server-interface external-interface

[no] npv traffic-map server-interface <ifl> external-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
npv	Config commands for FC N_port Virtualizer
traffic-map	Configure NPV traffic engineering
server-interface	Configure server interface based traffic engineering
<i>ifl</i>	
external-interface	Configure preferred external interface(s)
<i>interface</i>	

Command Mode

- /exec/configure

nsf await-redist-proto-convergence

{ [no] nsf await-redist-proto-convergence }

Syntax Description

no	(Optional) Negate a command or set its defaults
nsf	Non-stop forwarding
await-redist-proto-convergence	Specify whether EIGRP should wait for other protocols to converge before advertising routes

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

ntp access-group

[no] ntp access-group { peer | serve-only | serve | query-only } <acl-name>

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
access-group	NTP access-group
peer	access-group peer
serve	access-group serve
serve-only	access-group serve-only
query-only	access-group query-only
<i>acl-name</i>	Name of access list

Command Mode

- /exec/configure

ntp access-group match-all

[no] ntp access-group match-all

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
access-group	NTP access-group
match-all	Scan ACLs present in all ntp access groups

Command Mode

- /exec/configure

ntp allow private

```
[no] ntp allow { private | control [ rate-limit <delay> ] }
```

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
allow	Enable/Disable the packets
private	Enable/Disable Private mode packets
control	Enable/Disable Control mode packets
rate-limit	(Optional) Rate-limit the control packets
<i>delay</i>	(Optional) Rate-limit delay (Default 3)

Command Mode

- /exec/configure

ntp authenticate

[no] ntp authenticate

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
authenticate	Enable/Disable authentication

Command Mode

- /exec/configure

ntp authentication-key md5

[no] ntp authentication-key <number> { md5 | aes128cmac } <password> [0 | 7 | 6]

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
authentication-key	NTP authentication key
<i>number</i>	authentication key number (range 1-65535)
md5	Use MD5 authentication scheme.
aes128cmac	Use AES-128-CMAC authentication scheme.
<i>password</i>	Password string. Maximum size is 32 characters for clear text and type 7, 128 characters for type 6.
0	(Optional) Type 0 (clear text) encryption. (default)
7	(Optional) Type 7 encryption.
6	(Optional) Type 6 encryption.

Command Mode

- /exec/configure

ntp logging

[no] ntp logging

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
logging	Enable/Disable logging of NTPD Events

Command Mode

- /exec/configure

ntp master

[no] ntp master [<stratum-no>]

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
master	Act as NTP master clock
<i>stratum-no</i>	(Optional) Stratum number

Command Mode

- /exec/configure

ntp passive

[no] ntp passive

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
passive	NTP passive command

Command Mode

- /exec/configure

ntp peer

```
[no] ntp peer <host0> [ prefer | key <keyid> | use-vrf { <vrf-name> | <vrf-known-name> } | minpoll <minpoll> | maxpoll <maxpoll> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ntp	NTP Configuration
peer	NTP Peer address
<i>host0</i>	Hostname/IP address of the NTP Peer
prefer	(Optional) Preferred Server
key	(Optional) Keyid to be used while communicating to this server
<i>keyid</i>	(Optional) Value of keyid 1-65535
use-vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
minpoll	(Optional) Minimum interval to poll a peer
<i>minpoll</i>	(Optional) Poll interval in secs to a power of 2 [default 4]
maxpoll	(Optional) Maximum interval to poll a peer
<i>maxpoll</i>	(Optional) Poll interval in secs to a power of 2 [default 6]

Command Mode

- /exec/configure

ntp server

[no] ntp server <host0> [prefer | key <keyid> | use-vrf { <vrf-name> | <vrf-known-name> } | minpoll <minpoll> | maxpoll <maxpoll>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
ntp	NTP Configuration
server	NTP server address
<i>host0</i>	Hostname/IP address of the NTP Server
prefer	(Optional) Preferred Server
key	(Optional) Keyid to be used while communicating to this server
<i>keyid</i>	(Optional) Value of keyid 1-65535
use-vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
minpoll	(Optional) Minimum interval to poll a server
<i>minpoll</i>	(Optional) Poll interval in secs to a power of 2 [default 4]
maxpoll	(Optional) Maximum interval to poll a server
<i>maxpoll</i>	(Optional) Poll interval in secs to a power of 2 [default 6]

Command Mode

- /exec/configure

ntp source-interface

[no] ntp source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
source-interface	Source interface sending NTP packets
<i>interface</i>	Source interface

Command Mode

- /exec/configure

ntp source

[no] ntp source <ip-addr>

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP Configuration
source	Source of NTP packets
<i>ip-addr</i>	IPv4/IPv6 address

Command Mode

- /exec/configure

ntp sync-retry

ntp sync-retry

Syntax Description

ntp	NTP configuration
sync-retry	Retry synchronization with configured servers

Command Mode

- /exec

ntp trusted-key

[no] ntp trusted-key <number>

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
trusted-key	NTP trusted-key
<i>number</i>	trusted-key number

Command Mode

- /exec/configure

nv overlay evpn

[no] nv overlay evpn

Syntax Description

no	(Optional) Negate a command or set its defaults
nv	Command to enable/disable features
overlay	Command to enable/disable features
evpn	Enable/Disable Ethernet VPN (EVPN)

Command Mode

- /exec/configure

nve interface remap-replication-servers

nve interface <nve-if> remap-replication-servers

Syntax Description

nve	Configure NVE information
interface	Interface
<i>nve-if</i>	NVE interface
remap-replication-servers	Remap Replication servers to VNIs

Command Mode

- /exec

nve interface replication-server up

nve interface <nve-if> replication-server <rep-addr> { up | down }

Syntax Description

nve	Configure NVE information
interface	Interface
<i>nve-if</i>	NVE interface
replication-server	Configure a replication server
<i>rep-addr</i>	Replication Server IP Address
up	mark replication-server up
down	mark replication-server down

Command Mode

- /exec

nve oam mode draft-pang

[no] nve oam mode draft-pang

Syntax Description

no	(Optional) Negate a command or set its defaults
nve	VxLAN functionality
oam	VxLAN OAM functionality
mode	Choose operation mode for OAM
draft-pang	OAM implementation as per Draft Pang

Command Mode

- /exec/configure

nwwn

[no] nwwn <wwn0>

Syntax Description

no	(Optional) Negate a command or set its defaults
nwwn	Node WWN of the platform
<i>wwn0</i>	Node WWN

Command Mode

- /exec/configure/fcs-register/attrib

nwwn vsan

[no] nwwn <wwn0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
nwwn	Device NWWN
<i>wwn0</i>	NWWN of the Device
vsan	VSAN id for device
<i>i1</i>	vsan id

Command Mode

- /exec/configure/dpvm-db

nxapi certificate httpskey keyfile

```
{ nxapi certificate { { httpskey { keyfile <uri0> [ password <passphrase> ] } } | { httpsert { certfile <uri1> } } | { enable } | { trustpoint <trustpoint-name> } | { sudi } } } | { no nxapi certificate { sudi | trustpoint <trustpoint-name> } }
```

Syntax Description

no	Negate a command or set its defaults
nxapi	Configure nxapi
certificate	Https certificate configuration
httpskey	Https private key
httpsert	Https certificate
keyfile	Https key file
certfile	Https certificate file
password	(Optional) Https encrypted key passphrase
enable	Enable the current certificate
trustpoint	Trustpoint configuration
<i>trustpoint-name</i>	trustpoint name to use for Identity
sudi	sudi configuration
<i>uri0</i>	File containing https private key for the user
<i>passphrase</i>	(Optional) Https encrypted private key passphrase
<i>uri1</i>	File containing https certificate

Command Mode

- /exec/configure

nxapi client certificate authentication

```
{ nxapi client certificate authentication [ <verification-setting> ] } | { no nxapi client certificate authentication }  
}
```

Syntax Description

no	Negate a command or set its defaults
nxapi	Configure nxapi
client	Configure NX-API client management properties
certificate	Configure NX-API client certificate authentication functionality
authentication	Enable/Disable client certificate authentication
<i>verification-setting</i>	(Optional) Configure nxapi client-certificate authentication verification restriction setting

Command Mode

- /exec/configure

nxapi http port

{ nxapi { http | https } port <s0> } | { no nxapi { http | https } } | { no nxapi { http | https } port <s0> }

Syntax Description

no	Negate a command or set its defaults
nxapi	Configure nxapi
http	Http configuration
https	Https configuration
port	Port number
s0	Port number. Please do not use well-known protocol ports

Command Mode

- /exec/configure

nxapi idle-timeout

[no] nxapi idle-timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
nxapi	Configure nxapi
idle-timeout	duration until idle session expires
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure

nxapi ssl ciphers weak

```
{ [ no ] nxapi ssl ciphers weak }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
nxapi	Configure nxapi
ssl	Configure ssl parameters
ciphers	Configure allowed ciphers for ssl
weak	Allow weak ciphers

Command Mode

- /exec/configure

nxapi ssl protocols

{ nxapi ssl protocols <prot_string> } | { no nxapi ssl protocols }

Syntax Description

no	Negate a command or set its defaults
nxapi	Configure nxapi
ssl	Configure ssl parameters
protocols	Configure allowed ssl protocols
<i>prot_string</i>	String of supported protocols, Ex: TLSv1 TLSv1.1 TLSv1.2 TLSv1.3

Command Mode

- /exec/configure

nxapi use-vrf management default

```
{ nxapi use-vrf { management | default | <vrf_name> } } | { no nxapi use-vrf { management | default | <vrf_name> } }
```

Syntax Description

no	Negate a command or set its defaults
nxapi	Configure nxapi
use-vrf	vrf to be used for nxapi communication
management	management vrf
default	default vrf
<i>vrf_name</i>	name of the vrf

Command Mode

- /exec/configure

nxsdk profile

[no] nxsdk profile <nxsdk-profile-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
nxsdk	NXOS SDK
profile	service profile
<i>nxsdk-profile-name</i>	NxSDK service profile name

Command Mode

- /exec/configure

nxsdk remote port

[no] nxsdk remote port <port> [namespace { <vrf-name> | <vrf-known-name> }] [certificate <cert-id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
nxsdk	NXOS SDK
remote	To run NX-SDK service as a remote service
port	Port to accept remote NX-SDK connections
<i>port</i>	Port
namespace	(Optional) Namespace to run the remote server on. Default is Vrf: Default
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
certificate	(Optional) Specify certificate id to be used for the remote session
<i>cert-id</i>	(Optional) Certificate identification

Command Mode

- /exec/configure

nxsdk service-name

[no] nxsdk service-name <nxsdk-service-name> [profile <nxsdk-profile-name>]

Syntax Description

nxsdk	NXOS SDK
service-name	Complete path and name of file to execute
<i>nxsdk-service-name</i>	Service name
profile	(Optional) Service profile
<i>nxsdk-profile-name</i>	(Optional) Name of the profile

Command Mode

- /exec/configure

■ `nxsdk service-name`



0 Commands

- [oam-channel](#), on page 3601
- [oam](#), on page 3602
- [oam](#), on page 3603
- [oam](#), on page 3604
- [object-group ip address](#), on page 3605
- [object-group ip port](#), on page 3606
- [object-group ipv6 address](#), on page 3607
- [object-group udp relay ip address](#), on page 3608
- [object-track](#), on page 3609
- [ocsp url](#), on page 3610
- [ols](#), on page 3611
- [ols](#), on page 3612
- [ols com egress control](#), on page 3613
- [ols com egress osri](#), on page 3614
- [ols line egress safety-control](#), on page 3615
- [on-demand color](#), on page 3616
- [operation-packet-priority normal](#), on page 3617
- [option exporter-stats timeout](#), on page 3618
- [option interface-table timeout](#), on page 3619
- [origin-as validate](#), on page 3620
- [origin-as validate signal ibgp](#), on page 3621
- [originate-map](#), on page 3622
- [ospfv3 authentication disable ipsec spi md5 sha1 key-chain](#), on page 3623
- [ospfv3 bfd](#), on page 3624
- [ospfv3 cost](#), on page 3625
- [ospfv3 dead-interval](#), on page 3626
- [ospfv3 encryption disable ipsec spi esp 3des aes 128 authentication sha1](#), on page 3627
- [ospfv3 event-history cli](#), on page 3629
- [ospfv3 hello-interval](#), on page 3630
- [ospfv3 instance](#), on page 3631
- [ospfv3 mtu-ignore](#), on page 3632
- [ospfv3 network broadcast](#), on page 3633
- [ospfv3 network point-to-point](#), on page 3634

- ospfv3 passive-interface, on page 3635
- ospfv3 priority, on page 3636
- ospfv3 retransmit-interval, on page 3637
- ospfv3 shutdown, on page 3638
- ospfv3 transmit-delay, on page 3639
- other-config-flag, on page 3640
- otv-isis, on page 3641
- otv isis authentication-check, on page 3642
- otv isis authentication-type cleartext, on page 3643
- otv isis authentication key-chain, on page 3644
- otv isis csnp-interval, on page 3645
- otv isis hello-interval, on page 3646
- otv isis hello-interval, on page 3647
- otv isis hello-multiplier, on page 3648
- otv isis hello-multiplier, on page 3649
- otv isis hello-padding, on page 3650
- otv isis lsp-interval, on page 3651
- otv isis metric, on page 3652
- otv isis priority, on page 3653
- overlay-encapsulation, on page 3654
- overwrite-vlan, on page 3655
- owner, on page 3656

oam-channel

{ oam-channel <val> } | { no oam-channel }

Syntax Description

oam-channel	oam-channel used
<i>val</i>	2 - nvo3 tissa

Command Mode

- /exec/configure/configngoamprofile

oam

[no] oam

Syntax Description

no	(Optional) Negate a command or set its defaults
oam	Configure MPLS OAM traffic Engineering Segment Routing liveness detection configurations

Command Mode

- /exec/configure/sr/te/live-det/mpls

oam

[no] oam

Syntax Description

no	(Optional) Negate a command or set its defaults
oam	Configure MPLS OAM traffic Engineering Segment Routing liveness detection configurations

Command Mode

- /exec/configure/sr/te/color/live-det/mpls

oam

[no] oam

Syntax Description

no	(Optional) Negate a command or set its defaults
oam	Configure MPLS OAM traffic Engineering Segment Routing liveness detection configurations

Command Mode

- /exec/configure/sr/te/pol/live-det/mpls

object-group ip address

[no] object-group ip address <ip-obj-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure ACL object groups
ip	IP Object groups
address	Address object group
<i>ip-obj-name</i>	object-group name

Command Mode

- /exec/configure

object-group ip port

[no] object-group ip port <port-obj-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure ACL object groups
ip	IP Object groups
port	IP port object group (can be used in IPv4 and IPv6 access-lists)
<i>port-obj-name</i>	object-group name

Command Mode

- /exec/configure

object-group ipv6 address

[no] object-group ipv6 address <ipv6-obj-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure ACL object groups
ipv6	IPv6 Object groups
address	Address object group
<i>ipv6-obj-name</i>	object-group name

Command Mode

- /exec/configure

object-group udp relay ip address

[no] object-group udp relay ip address <obj-grp-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
object-group	Configure object groups
udp	Configure UDP
relay	Configure UDP Relay
ip	IP Object groups
address	Address object group
<i>obj-grp-name</i>	object-group name

Command Mode

- /exec/configure

object-track

[no] object-track <object-number> [decrement <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
object-track	Associates track object to VRRP group
<i>object-number</i>	Set the object number to the group
decrement	(Optional) Decrements vrrp group priority when tracked object goes down
<i>value</i>	(Optional) Set the value to decrement from priority

Command Mode

- /exec/configure/if-eth-any/vrrpv3

ocsp url

[no] ocsp url <*s0*>

Syntax Description

no	(Optional) Negate a command or set its defaults
ocsp	Configure trustpoint ocsp details
url	Configure trustpoint ocsp url
<i>s0</i>	ocsp url

Command Mode

- /exec/configure/trustpoint

ols

```
ols { com egress gain <com_gain> | line egress gain <line_gain> } | no ols { com egress gain [ <com_gain> ] | line egress gain [ <line_gain> ] }
```

Syntax Description

no	Negate a command or set its defaults
ols	Configure Optical Line System
com	Configure com
egress	Configure egress
gain	Configure egress ampli gain
<i>com_gain</i>	set com egress ampli gain
line	Configure line
egress	Configure egress
gain	Configure egress ampli gain
<i>line_gain</i>	set line egress ampli gain

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

ols

ols { com egress power <com_power> | line egress power <line_power> } | no ols { com egress power [<com_power>] | line egress power [<line_power>] }

Syntax Description

no	Negate a command or set its defaults
ols	Configure Optical Line System
com	Configure com
egress	Configure egress
power	Configure egress ampli power
<i>com_power</i>	set com egress ampli power
line	Configure line
egress	Configure egress
power	Configure egress ampli power
<i>line_power</i>	set line egress ampli power

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

ols com egress control

ols { com | line } egress control <mode> | no ols { com | line } egress control [<mode>]

Syntax Description

no	Negate a command or set its defaults
ols	Configure Optical Line System
com	Configure com
line	Configure line
egress	Configure egress
control	Configure ampli control mode
<i>mode</i>	configure mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

ols com egress osri

[no] ols { com | line } egress osri

Syntax Description

no	(Optional) Negate a command or set its defaults
ols	Configure Optical Line System
com	Configure com
line	Configure line
egress	Configure egress
osri	Configure egress ampli osri

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

ols line egress safety-control

[no] ols line egress safety-control

Syntax Description

no	(Optional) Negate a command or set its defaults
ols	Configure Optical Line System
line	Configure line
egress	Configure egress
safety-control	Configure egress ampli safety control mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

on-demand color

[no] on-demand color <color>

Syntax Description

no	(Optional) Negate a command or set its defaults
on-demand	Configure on-demand color
color	Color
<i>color</i>	Color

Command Mode

- /exec/configure/sr/te

operation-packet-priority normal

{ { no | default } operation-packet-priority | operation-packet-priority { normal | high } }

Syntax Description

no	
default	Set a command to its defaults
operation-packet-priority	Set operation packet properties
high	Priority high
normal	Priority normal

Command Mode

- /exec/configure/ip-sla/jitter

option exporter-stats timeout

{ [no] option exporter-stats timeout <time> | no option exporter-stats timeout }

Syntax Description

option	Version 9 Option Templates and Data
exporter-stats	Exporter Statistics Option
timeout	Option resend time
<i>time</i>	Time in seconds

Command Mode

- /exec/configure/nfm-exporter-v9

option interface-table timeout

{ [no] option interface-table timeout <time> | no option interface-table timeout }

Syntax Description

option	Version 9 Option Templates and Data
interface-table	Interface Table Option
timeout	Option resend time
<i>time</i>	Time in seconds

Command Mode

- /exec/configure/nfm-exporter-v9

origin-as validate

[no] origin-as validate

Syntax Description

no	(Optional) Negate a command or set its defaults
origin-as	RPKI origin-as validation related functionality
validate	Enable RPKI origin-as validation for routes received from ebgp neighbors

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6
/exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

origin-as validate signal ibgp

[no] origin-as validate signal ibgp

Syntax Description

no	(Optional) Negate a command or set its defaults
origin-as	RPKI origin-as validation related functionality
validate	Enable RPKI origin-as validation for routes received from ebgp neighbors
signal	Send RPKI validation state using Origin Validation State Extended Community
ibgp	Send Origin Validation State Extended Community to ibgp neighbors

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

originate-map

[no] originate-map <rmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
originate-map	Configure originate-map
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

ospfv3 authentication disable ipsec spi md5 sha1 key-chain

```
{ [ no ] ospfv3 authentication { disable | ipsec spi <spi_id> { md5 <akey> | sha1 <akey> | key-chain <keychain_ah> } } } | { no ospfv3 authentication { disable | ipsec spi <spi_id> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
authentication	Enable Authentication
disable	Disable Authentication
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
md5	Use the MD5 algorithm
<i>akey</i>	Authentication Key
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 bfd

[no] ospfv3 bfd [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
bfd	Enable BFD on this interface
disable	(Optional) Disable BFD on this interface

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

ospfv3 cost

```
{ ospfv3 cost <cost> } | { no ospfv3 cost [ <cost> ] }
```

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
cost	Cost associated with interface
<i>cost</i>	Cost value

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 dead-interval

{ ospfv3 dead-interval <interval> } | { no ospfv3 dead-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
dead-interval	Dead interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel
/exec/configure/if-mgmt-config

ospfv3 encryption disable ipsec spi esp 3des aes 128 authentication sha1

```
{ [ no ] ospfv3 encryption { disable | ipsec spi <spi_id> esp { 3des <ekey> | aes { 128 <ekey> } } authentication
{ sha1 <akey> | null } } } | { [ no ] ospfv3 encryption ipsec spi <spi_id> esp key-chain <keychain_enc>
authentication { key-chain <keychain_ah> | null } } | { [ no ] ospfv3 encryption ipsec spi <spi_id> esp null
authentication { sha1 <akey> | key-chain <keychain_ah> } } | { no ospfv3 encryption ipsec spi <spi_id> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
encryption	Enable Encryption on this Interface
disable	Disable Encryption
ipsec	IPSec
spi	Security Parameter Index
<i>spi_id</i>	SPI Value
esp	Specify encryption parameters
3des	Use the triple DES algorithm
<i>ekey</i>	Encryption Key
aes	Use the AES algorithm
128	Use the 128-bit AES algorithm
<i>ekey</i>	Encryption Key
authentication	Specify authentication parameters
sha1	Use the SHA1 algorithm
<i>akey</i>	Authentication Key
key-chain	Encryption password key-chain
<i>keychain_enc</i>	Encryption key-chain name
key-chain	Authentication password key-chain
<i>keychain_ah</i>	Authentication key-chain name
null	Use NULL authentication

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 event-history cli

[no ospfv3 event-history cli] | [ospfv3 event-history cli size { <size_in_text> | <size_in_Kbytes> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	(Optional) Debugging functions
event-history	(Optional) log debug events into event history buffer
cli	(Optional) Cli logs
size	(Optional) Configure the size of the event-hist buffer
<i>size_in_text</i>	(Optional) Buffer size
<i>size_in_Kbytes</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/router-ospf3

ospfv3 hello-interval

```
{ ospfv3 hello-interval <interval> } | { no ospfv3 hello-interval [ <interval> ] }
```

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
hello-interval	Hello interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel
/exec/configure/if-mgmt-config

ospfv3 instance

{ ospfv3 instance <instance-id> } | { no ospfv3 instance [<instance-id>] }

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
instance	Instance identifier
<i>instance-id</i>	Instance identifier value

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 mtu-ignore

[no] ospfv3 mtu-ignore

Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
mtu-ignore	Disable OSPF MTU mismatch detection

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 network broadcast

```
{ ospfv3 network { broadcast | point-to-point } } | { no ospfv3 network [ { broadcast | point-to-point } ] }
```

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
network	Network type
broadcast	Specify OSPF broadcast multi-access network
point-to-point	Specify OSPF point-to-point network

Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

ospfv3 network point-to-point

{ ospfv3 network point-to-point } | { no ospfv3 network [point-to-point] }

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
network	Network type
point-to-point	Specify OSPF point-to-point network

Command Mode

- /exec/configure/if-loopback

ospfv3 passive-interface

[default | no] ospfv3 passive-interface

Syntax Description

default	(Optional) Undo a command
no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
passive-interface	Suppress routing updates on the interface

Command Mode

- /exec/configure/if-broadcast /exec/configure/if-p2p /exec/configure/if-mgmt-config

ospfv3 priority

{ ospfv3 priority <prio> } | { no ospfv3 priority [<prio>] }

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
priority	Router priority
<i>prio</i>	Router priority

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 retransmit-interval

{ ospfv3 retransmit-interval <interval> } | { no ospfv3 retransmit-interval [<interval>] }

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

ospfv3 shutdown

[no] ospfv3 shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
shutdown	Shutdown ospf on this interface

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mgmt-config

ospfv3 transmit-delay

```
{ ospfv3 transmit-delay <delay> } | { no ospfv3 transmit-delay [ <delay> ] }
```

Syntax Description

no	Negate a command or set its defaults
ospfv3	OSPFv3 configuration commands
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

- /exec/configure/if-igp /exec/configure/if-gre-tunnel /exec/configure/if-mpls-tunnel /exec/configure/if-mgmt-config

other-config-flag

[no] other-config-flag <state>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>state</i>	

Command Mode

- /exec/configure/config-ra-guard

otv-isis

otv-isis <tag>

Syntax Description

otv-isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

Command Mode

- /exec/configure

otv isis authentication-check

[no] otv isis authentication-check

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
authentication-check	Check authentication on received hellos

Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

otv isis authentication-type cleartext

{ otv isis authentication-type { cleartext | md5 } | no otv isis authentication-type [{ cleartext | md5 }] }

Syntax Description

no	Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
authentication-type	Set hello authentication type
cleartext	Cleartext
md5	HMAC-MD5

Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

otv isis authentication key-chain

```
{ otv isis authentication key-chain <auth-keychain> | no otv isis authentication key-chain [ <auth-keychain> ] }
```

Syntax Description

no	Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
authentication	Set hello authentication keychain
key-chain	Set hello authentication keychain
<i>auth-keychain</i>	authentication keychain

Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

otv isis csnp-interval

[no] otv isis csnp-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
csnp-interval	Set CSNP interval in seconds
<i>sec</i>	CSNP interval value

Command Mode

- /exec/configure/if-overlay

otv isis hello-interval

[no] otv isis hello-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
<i>sec</i>	Hello interval value

Command Mode

- /exec/configure/if-overlay

otv isis hello-interval

[no] otv isis hello-interval <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-interval	Set Hello interval in seconds
<i>sec</i>	Hello interval value

Command Mode

- /exec/configure/site-vlan

otv isis hello-multiplier

[no] otv isis hello-multiplier <multi>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
<i>multi</i>	Hello multiplier value

Command Mode

- /exec/configure/site-vlan

otv isis hello-multiplier

[no] otv isis hello-multiplier <multi>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-multiplier	Set multiplier for Hello holding time
<i>multi</i>	Hello multiplier value

Command Mode

- /exec/configure/if-overlay

otv isis hello-padding

{ otv isis hello-padding | no otv isis hello-padding [always] }

Syntax Description

no	Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
hello-padding	Pad IS-IS hello PDUs to full MTU
always	(Optional) Pad every hello

Command Mode

- /exec/configure/if-overlay /exec/configure/site-vlan

otv isis lsp-interval

[no] otv isis lsp-interval <msec>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
lsp-interval	Set LSP transmission interval
<i>msec</i>	LSP transmission interval (milliseconds)

Command Mode

- /exec/configure/if-overlay

otv isis metric

[no] otv isis metric <metric>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
metric	Configure the metric for interface
<i>metric</i>	Default metric

Command Mode

- /exec/configure/if-overlay

otv isis priority

[no] otv isis priority <priority>

Syntax Description

no	(Optional) Negate a command or set its defaults
otv	Configure OTV information
isis	IS-IS configuration commands
priority	Set priority for DIS election
<i>priority</i>	Priority value

Command Mode

- /exec/configure/if-overlay

overlay-encapsulation

overlay-encapsulation <encap-type> [tunnel-control-frames [<layer2-prot>]] | no overlay-encapsulation

Syntax Description

no	Negate a command or set its defaults
overlay-encapsulation	NVE Overlay Encapsulation
<i>encap-type</i>	Configure encapsulation type
tunnel-control-frames	(Optional) tunnel protocol
<i>layer2-prot</i>	(Optional) configure specific protocol

Command Mode

- /exec/configure/if-nve

overwrite-vlan

[no] overwrite-vlan <ow-vlan-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
overwrite-vlan	Overwrite the system generated vlan
<i>ow-vlan-id</i>	

Command Mode

- /exec/configure/static-host/vni

owner

```
{ { no | default } owner | owner <text> }
```

Syntax Description

no	
default	Set a command to its defaults
owner	Owner of Entry
<i>text</i>	Owner String

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http



P Commands

- [packet-size](#), on page 3664
- [param-list param-list](#), on page 3665
- [parity](#), on page 3666
- [parity](#), on page 3667
- [passive-interface default](#), on page 3668
- [passive-interface default](#), on page 3669
- [passive-interface default](#), on page 3670
- [passive-interface default](#), on page 3671
- [password](#), on page 3672
- [password](#), on page 3673
- [password](#), on page 3674
- [password prompt username](#), on page 3675
- [password secure-mode](#), on page 3676
- [password strength-check](#), on page 3677
- [path-attribute discard in](#), on page 3678
- [path](#), on page 3679
- [path next-hop out-label-stack](#), on page 3680
- [pathtrace](#), on page 3681
- [pathtrace](#), on page 3683
- [pause](#), on page 3684
- [pause buffer-size2 pause-threshold2 resume-threshold2](#), on page 3685
- [pause priority](#), on page 3686
- [payload](#), on page 3687
- [pcc](#), on page 3688
- [pce-address ipv4](#), on page 3689
- [pcep](#), on page 3690
- [pcep](#), on page 3691
- [pdop threshold](#), on page 3692
- [peer-gateway](#), on page 3693
- [peer-ip](#), on page 3694
- [peer-keepalive destination](#), on page 3695
- [peer-switch](#), on page 3697
- [peer-type fabric](#), on page 3698

- [peer-vtep](#), on page 3699
- [peer local service](#), on page 3700
- [per-ingress-port-mtu-mode](#), on page 3701
- [periodic-inventory notification](#), on page 3702
- [periodic-inventory notification interval](#), on page 3703
- [periodic-probe-interval](#), on page 3704
- [periodic to](#), on page 3705
- [periodic to](#), on page 3706
- [permit interface](#), on page 3707
- [permit vlan](#), on page 3708
- [permit vrf](#), on page 3709
- [permit vsan](#), on page 3710
- [persist-disk](#), on page 3711
- [personality](#), on page 3712
- [personality backup](#), on page 3713
- [personality restore](#), on page 3714
- [phone-contact](#), on page 3715
- [pim](#), on page 3716
- [pim](#), on page 3717
- [ping](#), on page 3718
- [ping6](#), on page 3720
- [ping](#), on page 3721
- [ping mpls](#), on page 3723
- [ping mpls monitor session-id nil-fec labels output ointerface nexthop](#), on page 3727
- [ping sr-mpls](#), on page 3728
- [pki-trustpoint](#), on page 3731
- [platform insert module](#), on page 3732
- [platform name vsan](#), on page 3734
- [platform proactive-cc forwarding](#), on page 3735
- [platform rate-limiter span-egress](#), on page 3736
- [platform vnic scheme sequential](#), on page 3737
- [pnp startup-vlan](#), on page 3738
- [police](#), on page 3739
- [police](#), on page 3741
- [police](#), on page 3743
- [police](#), on page 3747
- [policer](#), on page 3751
- [policer](#), on page 3752
- [policy-map](#), on page 3753
- [policy-map type control-plane](#), on page 3754
- [policy-map type network-qos](#), on page 3755
- [policy-map type queuing](#), on page 3756
- [policy](#), on page 3757
- [policy](#), on page 3758
- [policy](#), on page 3759
- [pop](#), on page 3760

- [port-channel bfd destination](#), on page 3761
- [port-channel bfd start](#), on page 3762
- [port-channel bfd track-member-link](#), on page 3763
- [port-channel fast-convergence](#), on page 3764
- [port-channel hash-distribution](#), on page 3765
- [port-channel limit](#), on page 3766
- [port-channel load-balance](#), on page 3767
- [port-channel load-balance1 ethernet](#), on page 3768
- [port-channel load-balance2 resilient](#), on page 3769
- [port-channel load-balance](#), on page 3770
- [port-channel load-defer](#), on page 3771
- [port-channel port hash-distribution](#), on page 3772
- [port-channel port load-defer](#), on page 3773
- [port-channel scale-fanout](#), on page 3774
- [port-group](#), on page 3775
- [port-license](#), on page 3776
- [port-license](#), on page 3777
- [port-parameters](#), on page 3778
- [port-profile](#), on page 3779
- [port-recovery-interval](#), on page 3780
- [port-type](#), on page 3781
- [port](#), on page 3782
- [port](#), on page 3783
- [port](#), on page 3784
- [port](#), on page 3785
- [port destination](#), on page 3786
- [port type ethernet](#), on page 3787
- [port usb disable](#), on page 3788
- [postcard-telemetry exporter](#), on page 3789
- [postcard-telemetry flow-profile](#), on page 3790
- [postcard-telemetry monitor](#), on page 3791
- [postcard-telemetry queue-profile](#), on page 3792
- [postcard-telemetry system monitor](#), on page 3793
- [postcard-telemetry watchlist ip](#), on page 3794
- [power efficient-ethernet auto](#), on page 3795
- [power efficient-ethernet sleep threshold aggressive](#), on page 3796
- [power inline](#), on page 3797
- [power inline default_consumption](#), on page 3798
- [power inline police action](#), on page 3799
- [power inline port priority](#), on page 3800
- [power redundancy-mode combined](#), on page 3801
- [power redundancy-mode combined force](#), on page 3802
- [power redundancy-mode insrc-redundant](#), on page 3803
- [power redundancy-mode ps-redundant](#), on page 3804
- [power usage-history](#), on page 3805
- [poweroff](#), on page 3806

- [ppk crypto-qkd-profile](#), on page 3807
- [precision milliseconds](#), on page 3808
- [preempt](#), on page 3809
- [preempt](#), on page 3810
- [preempt delay minimum](#), on page 3811
- [preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum preempt delay reload preempt delay sync preempt](#), on page 3812
- [preference](#), on page 3814
- [preference](#), on page 3815
- [preference max](#), on page 3816
- [preference min](#), on page 3817
- [prefix-priority high](#), on page 3818
- [prefix](#), on page 3819
- [prefix out](#), on page 3820
- [prepend-pkg-opts](#), on page 3821
- [priority-flow-control auto-restore multiplier](#), on page 3822
- [priority-flow-control fixed-restore multiplier](#), on page 3823
- [priority-flow-control mode](#), on page 3824
- [priority-flow-control override-interface mode off](#), on page 3825
- [priority-flow-control recover interface](#), on page 3826
- [priority-flow-control tah-recover interface](#), on page 3827
- [priority-flow-control watch-dog-interval on](#), on page 3828
- [priority-flow-control watch-dog-interval on](#), on page 3829
- [priority-flow-control watch-dog forced on](#), on page 3830
- [priority-flow-control watch-dog interval](#), on page 3831
- [priority-flow-control watch-dog shutdown-multiplier](#), on page 3832
- [priority](#), on page 3833
- [priority2](#), on page 3834
- [priority](#), on page 3835
- [priority](#), on page 3836
- [priority](#), on page 3837
- [priority](#), on page 3838
- [priority](#), on page 3839
- [priority](#), on page 3840
- [priority](#), on page 3841
- [priority critical](#), on page 3842
- [priority critical](#), on page 3843
- [private-vlan](#), on page 3844
- [private-vlan association](#), on page 3845
- [private-vlan mapping](#), on page 3846
- [private-vlan synchronize](#), on page 3847
- [probe](#), on page 3848
- [probe](#), on page 3850

- probe, on page 3852
- probe, on page 3853
- probe, on page 3854
- probe get, on page 3855
- probe get, on page 3856
- probe get, on page 3857
- probe host, on page 3858
- probe host, on page 3859
- probe host, on page 3860
- probe port, on page 3861
- probe port, on page 3862
- probe port, on page 3863
- probe track, on page 3864
- probe track, on page 3865
- probe track, on page 3866
- probe track, on page 3867
- probe track, on page 3868
- profile, on page 3869
- profile, on page 3870
- profile, on page 3871
- profile, on page 3872
- protected, on page 3873
- protected, on page 3874
- proto, on page 3875
- protocol, on page 3876
- protocol, on page 3877
- proxy, on page 3878
- ptp, on page 3879
- ptp acl-redirect, on page 3880
- ptp announce interval, on page 3881
- ptp announce interval, on page 3882
- ptp announce timeout, on page 3883
- ptp asymmetric-delay forward, on page 3884
- ptp clock-identity, on page 3885
- ptp clock-sync auto, on page 3886
- ptp clock periodic-update, on page 3887
- ptp convergence-time, on page 3888
- ptp correction-range, on page 3889
- ptp correction-range logging, on page 3890
- ptp correction hardware, on page 3891
- ptp cost, on page 3892
- ptp delay-request minimum interval, on page 3893
- ptp delay-request minimum interval, on page 3894
- ptp delay tolerance reverse, on page 3895
- ptp destination-mac forwardable rx-no-match, on page 3896
- ptp device-type, on page 3897

- [ptp domain](#), on page 3898
- [ptp domain](#), on page 3899
- [ptp domain clock-accuracy-threshold](#), on page 3900
- [ptp domain clock-class-threshold](#), on page 3901
- [ptp domain priority](#), on page 3902
- [ptp enhanced-client-scale](#), on page 3903
- [ptp forward-version1](#), on page 3904
- [ptp grandmaster-capable](#), on page 3905
- [ptp ipv6 multicast scope rx ptp ipv6 multicast scope rx](#), on page 3906
- [ptp ipv6 multicast scope rx ptp ipv6 multicast scope rx](#), on page 3907
- [ptp ipv6 multicast scope tx ptp ipv6 multicast scope tx](#), on page 3908
- [ptp ipv6 multicast scope tx ptp ipv6 multicast scope tx](#), on page 3909
- [ptp management](#), on page 3910
- [ptp master](#), on page 3911
- [ptp mean-path-delay](#), on page 3912
- [ptp multi-domain](#), on page 3913
- [ptp multi-domain transition-attributes priority1](#), on page 3914
- [ptp multi-domain transition-attributes priority2](#), on page 3915
- [ptp neighbor propagation-delay-threshold](#), on page 3916
- [ptp notification type gm-change](#), on page 3917
- [ptp notification type high-correction](#), on page 3918
- [ptp notification type parent-change](#), on page 3919
- [ptp notification type port-state-change](#), on page 3920
- [ptp offload](#), on page 3921
- [ptp pdelay-req-interval](#), on page 3922
- [ptp peer](#), on page 3923
- [ptp priority1](#), on page 3924
- [ptp priority2](#), on page 3925
- [ptp profile-override](#), on page 3926
- [ptp profile](#), on page 3927
- [ptp role](#), on page 3928
- [ptp scale-on-1G](#), on page 3929
- [ptp slave](#), on page 3930
- [ptp source](#), on page 3931
- [ptp source](#), on page 3932
- [ptp sync interval](#), on page 3933
- [ptp sync interval](#), on page 3934
- [ptp time distribution-hold](#), on page 3935
- [ptp transmission multicast](#), on page 3936
- [ptp transport](#), on page 3937
- [ptp ucast-source](#), on page 3938
- [ptp unicast-negotiation](#), on page 3939
- [ptp utc-offset](#), on page 3940
- [ptp vlan](#), on page 3941
- [purge fdomain fcid vsan](#), on page 3942
- [purge module running-config](#), on page 3943

- [push](#), on page 3944
- [pwd](#), on page 3945
- [pwwn vsan](#), on page 3946
- [python](#), on page 3947
- [python3](#), on page 3948
- [python instance](#), on page 3949

packet-size

{ packet-size <packetsize> }

Syntax Description

packet-size	Packet
<i>packetsize</i>	Size

Command Mode

- /exec/configure/configngoamconnectcheck

param-list param-list

[no] param-list <plistname> [cross-check] | param-list <plistname>

Syntax Description

no	(Optional) Negate a command or set its defaults
param-list	Configure a parameter list
<i>plistname</i>	Enter the name of the parameter list
cross-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

parity

[no] parity { even | none | odd }

Syntax Description

no	(Optional) Negate a command or set its defaults
parity	Set terminal parity
even	Even parity
none	No parity
odd	Odd parity

Command Mode

- /exec/configure/com1

parity

[no] parity <parity-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
parity	Set terminal parity
<i>parity-value</i>	terminal parity value

Command Mode

- /exec/configure/console

passive-interface default

[no] passive-interface default

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

- /exec/configure/router-egrp/router-egrp-vrf-common /exec/configure/router-egrp/router-egrp-af-common

passive-interface default

[no] passive-interface default <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress IS-IS PDU
default	Undo a command
<i>level</i>	IS-IS level

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

passive-interface default

[no] passive-interface default

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

passive-interface default

[no] passive-interface default

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

password

{ [no] password <passwd> }

Syntax Description

password	password
<i>passwd</i>	password

Command Mode

- /exec/configure/dot1x-cred

password

```
password [ vrf { <vrf-name> | <vrf-known-name> } ] { required [ req-for <req-pfx-list> ] | { fallback | option
<seq-num> opt-for <opt-pfx-list> } { key-chain <name> } } | no password [ vrf { <vrf-name> |
<vrf-known-name> } ] { required | fallback | option <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
password	Configure LDP password
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
required	Password is required for the peer
req-for	(Optional) Prefix list specifying control on LDP peers
<i>req-pfx-list</i>	(Optional) Prefix list for LDP peers
fallback	Specifies a fallback password will follow
option	LDP password option
<i>seq-num</i>	Sequence number of the LDP password option
opt-for	Prefix list specifying control on LDP peers
<i>opt-pfx-list</i>	Prefix list for LDP peers
key-chain	Specifies a key-chain name will follow
<i>name</i>	Key-chain name

Command Mode

- /exec/configure/ldp

password

password <password-string> | { no | default } password [<password-string>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
password	Configure a password for neighbor
<i>password-string</i>	Neighbor password

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-neighbor-stmp
- /exec/configure/router-bgp/router-bgp-vrf-neighbor
- /exec/configure/router-bgp/router-bgp-template-neighbor
- /exec/configure/router-bgp/router-bgp-prefixneighbor
- /exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

password prompt username

[no] password prompt username

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
prompt	Enable prompt for password
username	Enable prompt for password on username command

Command Mode

- /exec/configure

password secure-mode

[no] password secure-mode

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
secure-mode	Enable secure mode for changing password

Command Mode

- /exec/configure

password strength-check

[no] password strength-check

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
strength-check	Strength check of password

Command Mode

- /exec/configure

path-attribute discard in

[no | default] path-attribute { discard | treat-as-withdraw } { <ptype> | range <start> <end> } in

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
path-attribute	BGP path attribute optional filtering
discard	Discard matching path-attribute from this neighbor
treat-as-withdraw	Withdraw routes for matching path-attribute from this neighbor. This has higher priority than discard
range	path attribute range
in	Perform path attribute filtering on inbound updates
<i>ptype</i>	path attribute type
<i>start</i>	path attribute range start value
<i>end</i>	path attribute range end value

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

path

path { <dn> | environment |

Syntax Description

/	vxlan
/	vxlan
path	Create a sensor path
<i>dn</i>	Distinguished Name
environment	Monitor chassis information including fan,temperature,power,storage,supervisor,linecard

Command Mode

- /exec/configure/telemetry/sensor-group

path next-hop out-label-stack

```
{ no path <path-num> | path <path-num> next-hop <next-hop> out-label-stack { <static-outlabel> + |
implicit-null } }
```

Syntax Description

no	Negate a command or set its defaults
path	Configure an outgoing path for the LSP
<i>path-num</i>	Path identifier
next-hop	Nexthop
<i>next-hop</i>	Destination IPv4 next hop
out-label-stack	Series of output labels
<i>static-outlabel</i>	Label Value
implicit-null	IETF MPLS implicit null label (3)

Command Mode

- /exec/configure/mpls_static/ipv4/lsp/inlabel/forw

pathtrace

```
pathtrace { { nve [ mac <dmac> <dot1qid> [ <intfid> ] ] | srv6 } { [ ip ] [ <ipv6_addr> | <ipv4_host> | unknown
] [ vrf { <vrf-name> | <vrf-known-name> } ] [ profile <pid> ] [ payload { [ mac-addr <dstmac> <smac> ] [
dot1q <dot1q-id> ] [ ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> ] [ port <sport> <dport> ] [ proto <proto-id>
] [ src-intf <src_if> ] } payload-end ] } [ [ sid <sid_addr> ] [ via { <sid_list_entry> } + sid-list-end ] [ end-otp
<otp> ] [ end-op <op> ] [ no-reduced-srh ] } ] [ [ { vni <vni-id> } ] [ { sport <sval> } ] ] [ source {
<src_if_ip_addr> | <src_if_ipv6_addr> } ] |
```

Syntax Description

pathtrace	Test
nve	Vxlan oam commands
ip	(Optional) ip address
mac	(Optional) MAC address
dmac	(Optional) Destination mac address
dot1qid	(Optional) Encapsulation dot1q/bd on which the mac is learnt
intfid	(Optional) Name of the interface for ngoam traceroute on which dot1q is configured
srv6	Use the Segment Routed fabric for this ping
ipv4_host	(Optional) Ipv4 remote host address
unknown	(Optional) Find what to ping from payload info
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
profile	(Optional) NGOAM profile to use
pid	(Optional) NGOAM profile id
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
dstmac	(Optional) Destination mac address
smac	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
dot1q-id	(Optional) Encapsulation dot1q/bd on which the mac is learnt
dstip	(Optional) Destination ipv4 address

<i>srcip</i>	(Optional) source ipv4 address
<i>ipv6</i>	(Optional) ipv6 address
<i>port</i>	(Optional) L4 port info
<i>sport</i>	(Optional) Source port
<i>dport</i>	(Optional) Destination port
<i>proto</i>	(Optional) Protocol
<i>proto-id</i>	(Optional) IANA Protocol id
<i>src-intf</i>	(Optional) Interface on which the host with src ip of the payload is connected
<i>src_if</i>	(Optional) Interface
<i>payload-end</i>	(Optional) End of payload info
<i>sid</i>	(Optional) Segment Identifier
<i>via</i>	(Optional) Specify the SID list for the packet to traverse through
<i>sid-list-end</i>	(Optional) Indicate end of sid list
<i>end-otp</i>	(Optional) Override default End.OTP SID
<i>end-op</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>no-reduced-srh</i>	(Optional) For srv6 pathtrace pkts, do not use a Reduced SRH
<i>vni</i>	(Optional) Vni for vxlan
<i>vni-id</i>	(Optional) Configure vni id
<i>sport</i>	(Optional) Outer UDP source port for vxlan
<i>sval</i>	(Optional) Udp source port range, max span 1024, Example: 2000-3000,400,500
<i>source</i>	(Optional) Source IP address to use
<i>src_if_ip_addr</i>	(Optional) IP address of local system

Command Mode

- /exec

pathtrace

```
pathtrace { domain <i0> vsan <i1> [ reverse ] [ detail ] | fcid <fcid> vsan1 <i2> [ reverse1 ] [ detail1 ] }
```

Syntax Description

pathtrace	Trace the route statistics.
domain	Destination domain.
<i>i0</i>	Enter the destination domain ID
vsan	VSAN id
<i>i1</i>	The VSAN Number.
reverse	(Optional) Trace reverse path
detail	(Optional) Detailed statistics
fcid	FC-id of the destination N-Port
<i>fcid</i>	The FC-id
vsan1	vsan id of the destination N Port.
<i>i2</i>	The VSAN Number.
reverse1	(Optional) Trace reverse path
detail1	(Optional) Detailed statistics

Command Mode

- /exec

pause

[no] pause { buffer-size <size-in-bytes> pause-threshold <xoff-bytes> resume-threshold <xon-bytes> }

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
buffer-size	Ingress buffer size in bytes
pause-threshold	Buffer limit for pausing in bytes
resume-threshold	Buffer limit at which to resume in bytes

Command Mode

- /exec/configure/policy-map/type/queuing/class

pause buffer-size2 pause-threshold2 resume-threshold2

[no] pause buffer-size2 <size-in-bytes> pause-threshold2 <xoff-bytes> resume-threshold2 <xon-bytes>

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
buffer-size2	Ingress buffer size in bytes
pause-threshold2	Buffer limit for pausing in bytes
resume-threshold2	Buffer limit at which to resume in bytes

Command Mode

- /exec/configure/policy-map/type/queuing/class

pause priority

[no] pause { priority-group <priority-group-number> }

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
priority-group	ingress priority-group to which the traffic is mapped and pause limits are applied
<i>priority-group-number</i>	Priority group value

Command Mode

- /exec/configure/policy-map/type/queuing/class

payload

[no] payload

Syntax Description

no	(Optional) Negate a command or set its defaults
payload	Configure ngoam connectivity check payload

Command Mode

- /exec/configure/configngoamconnectcheck

pcc

[no] pcc

Syntax Description

no	(Optional) Negate a command or set its defaults
pcc	PCC related configuration

Command Mode

- /exec/configure/sr/te

pce-address ipv4

[no] pce-address ipv4 <ip-address> [precedence <precedence>]

Syntax Description

no	(Optional) Negate a command or set its defaults
pce-address	Configure the address of the PCE
ipv4	Configure v4 address of the PCE
precedence	(Optional) Precedence of the PCE
<i>ip-address</i>	PCE address
<i>precedence</i>	(Optional) Path-option preference

Command Mode

- /exec/configure/sr/te/pcc

pcep

[no] pcep

Syntax Description

no	(Optional) Negate a command or set its defaults
pcep	Dynamic path needs to be computed externally via PCEP

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/dyn

pcep

[no] pcep

Syntax Description

no	(Optional) Negate a command or set its defaults
pcep	Dynamic path needs to be computed externally via PCEP

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/dyn

pdop threshold

[no] pdop threshold <thres>

Syntax Description

no	(Optional) Negate a command or set its defaults
pdop	PDOP threshold configuration
threshold	PDOP threshold configuration
<i>thres</i>	PDOP threshold value

Command Mode

- /exec/configure/gnss-if

peer-gateway

peer-gateway [exclude-vlan <vlan-list>] | no peer-gateway

Syntax Description

no	Negate a command or set its defaults
peer-gateway	Enable L3 forwarding for packets destined to peer's gateway mac-address
exclude-vlan	(Optional) Specify VLANs to be excluded from peer-gateway functionality
<i>vlan-list</i>	(Optional) Specify the list of vlans

Command Mode

- /exec/configure/vpc-domain

peer-ip

[no] peer-ip { <addr> }

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-ip	Static IP Address Configuration
<i>addr</i>	Remote Peer IP Address

Command Mode

- /exec/configure/if-nve/vni/ingr-rep

peer-keepalive destination

```
peer-keepalive destination { <dst-ip> | <dst-ipv6> } [ [ source [ <src-ip> | <src-ipv6> ] | udp-port
<udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } |
tos-byte <tos-byte-value> | hold-timeout <hold-time-out> ] + [ [ source [ <src-ip> | <src-ipv6> ] | udp-port
<udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } |
tos { <tos-value> | min-delay | max-throughput | max-reliability | min-monetary-cost | normal } | hold-timeout
<hold-time-out> ] + [ [ source [ <src-ip> | <src-ipv6> ] | udp-port <udp-port-num> | vrf { <vrf-name> |
<vrf-known-name> } | { interval <interval-ms> timeout <time-out> } | precedence { <prec-vlaue> | network
| internet | critical | flash-override | flash | immediate | priority | routine } | hold-timeout <hold-time-out> ] +
]
```

Syntax Description

peer-keepalive	Keepalive/Hello with peer switch
destination	specify destination ip address of peer switch
<i>dst-ip</i>	IPv4 address (A.B.C.D) of destination
source	(Optional) source interface for hello
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source
udp-port	(Optional) enter UDP port number used for hello
<i>udp-port-num</i>	(Optional) udp port number for hellos
vrf	(Optional) vrf to be used for hello messages
<i>vrf-name</i>	(Optional) vrf to be used for hellos
<i>vrf-known-name</i>	(Optional) Known VRF name
interval	(Optional) enter interval in milleseconds
<i>interval-ms</i>	(Optional) Enter interval in milleseconds
timeout	(Optional) enter timeout in seconds
<i>time-out</i>	(Optional) enter timeout in seconds
precedence	(Optional) Precedence
<i>prec-vlaue</i>	(Optional) Precedence value
network	(Optional) network (7)
internet	(Optional) internet (6)
critical	(Optional) critical (5)
flash-override	(Optional) flash-override (4)

flash	(Optional) flash (3)
immediate	(Optional) immediate (2)
priority	(Optional) priority (1)
routine	(Optional) routine (0)
tos	(Optional) Type of Service(IPV4)/Traffic Class(IPV6)
<i>tos-value</i>	(Optional) Enter 4-bit TOS value
min-delay	(Optional) min-delay (8)
max-throughput	(Optional) max-throughput (4)
max-reliability	(Optional) max-reliability (2)
min-monetary-cost	(Optional) min-monetary-cost (1)
normal	(Optional) normal (0)
tos-byte	(Optional) Type of Service Byte (IPv4)/Traffic Class Octet(IPv6)
<i>tos-byte-value</i>	(Optional) Enter 8-bit TOS value
hold-timeout	(Optional) hold timeout to ignore stale peer alive messages
<i>hold-time-out</i>	(Optional) Enter hold-timeout in seconds

Command Mode

- /exec/configure/vpc-domain

peer-switch

[no] peer-switch

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-switch	Enable peer switch on vPC pair switches

Command Mode

- /exec/configure/vpc-domain

peer-type fabric

peer-type { fabric-external | fabric-border-leaf } | { no | default } peer-type

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
peer-type	Neighbor facing
fabric-external	Fabric external
fabric-border-leaf	Fabric Border Leaf

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

peer-vtep

[no] peer-vtep <addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-vtep	Configure tunnel End Point (deprecate)
<i>addr</i>	Remote VTEP IP Address

Command Mode

- /exec/configure/if-nve/vni

peer local service

[no] peer local service <service-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	Peer cli for sandwich mode failure notification
local	Peer involved in sandwich mode
service	Peer service involved in sandwich mode
<i>service-name</i>	Peer service name string

Command Mode

- /exec/configure/itd

per-ingress-port-mtu-mode

[no] per-ingress-port-mtu-mode

Syntax Description

no	(Optional) Negate the command
per-ingress-port-mtu-mode	per-ingress-port mtu mode

Command Mode

- /exec/configure handle auto 424

periodic-inventory notification

[no] periodic-inventory notification

Syntax Description

no	(Optional) Negate a command or set its defaults
periodic-inventory	Configure periodic software inventory message dispatch
notification	Enable periodic software inventory message dispatch

Command Mode

- /exec/configure/callhome

periodic-inventory notification interval

periodic-inventory notification { interval <i0> | timeofday <s0> }

Syntax Description

periodic-inventory	Configure periodic software inventory message dispatch
notification	Enable periodic software inventory message dispatch
interval	Configure the time period for periodic inventory
<i>i0</i>	Time period in days (default is 7 days)
timeofday	Configure the timeofday for periodic inventory in HH:MM format
<i>s0</i>	Time period in HH:MM format

Command Mode

- /exec/configure/callhome

periodic-probe-interval

[no] periodic-probe-interval <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
periodic-probe-interval	Configure Loop Detection Probe Interval, Unit:Second
<i>val</i>	Loop detection probe timer value in seconds

Command Mode

- /exec/configure/configngoamloopdetection

periodic to

{ [<seqno>] | no } periodic { { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday } +
| daily | weekdays | weekend } <stime> to <etime>

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
periodic	Periodic time and date
Monday	Monday
Tuesday	Tuesday
Wednesday	Wednesday
Thursday	Thursday
Friday	Friday
Saturday	Saturday
Sunday	Sunday
daily	Every day of the week
weekdays	Monday thru Friday
weekend	Saturday and Sunday
<i>stime</i>	Starting time
to	Ending day and time
<i>etime</i>	Ending time

Command Mode

- /exec/configure/timerange

periodic to

```
{ [ <seqno> ] | no } periodic { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday }
<stime> to { <eday> } <etime>
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
periodic	Periodic time and date
Monday	Monday
Tuesday	Tuesday
Wednesday	Wednesday
Thursday	Thursday
Friday	Friday
Saturday	Saturday
Sunday	Sunday
<i>eday</i>	Day of the week
<i>stime</i>	Starting time
to	Ending day and time
<i>etime</i>	Ending time

Command Mode

- /exec/configure/timerange

permit interface

[no] permit interface <if0>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to interfaces (applicable if interface policy is 'deny')
interface	Enter the range of interfaces accessible the role
<i>if0</i>	Enter the interface range

Command Mode

- /exec/configure/role/interface

permit vlan

[no] permit vlan <vlan-mrange>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vlans (applicable if vlan policy is 'deny')
vlan	Enter the range of vlans accessible the role
<i>vlan-mrange</i>	Enter the vlan range

Command Mode

- /exec/configure/role/vlan

permit vrf

[no] permit vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vrf (applicable if vrf policy is 'deny')
vrf	Enter the range of vrf accessible the role
<i>vrf-name</i>	Enter the vrf name

Command Mode

- /exec/configure/role/vrf

permit vsan

[no] permit vsan <vsan-mrange>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vsans (applicable if vsan policy is 'deny')
vsan	Enter the range of vsans accessible the role
<i>vsan-mrange</i>	Enter the vsan range

Command Mode

- /exec/configure/role/vsan

persist-disk

{ persist-disk <disksize-units> | no persist-disk [<disksize-units>] }

Syntax Description

no	Negate a command or set its defaults
persist-disk	IOX Application persistent data disk reservation MB units
<i>disksize-units</i>	IOX Application persistent disk size in MB

Command Mode

- /exec/configure/app-hosting-resource-profile-custom

personality

[no] personality

Syntax Description

no	(Optional) Negate a mode
personality	Config Personality

Command Mode

- /exec/configure

personality backup

```
personality backup { <uri_local> | <uri_remote> [ password <password> ] [ vrf <vrf-known-name> ] }
```

Syntax Description

personality	personality
backup	backup personality
password	(Optional) The password for personality backups
vrf	(Optional) The VRF for personality backups
<i>uri_local</i>	Personality backup local destination
<i>uri_remote</i>	Personality backup remote destination
<i>password</i>	(Optional) Password for SCP username
<i>vrf-known-name</i>	(Optional) VRF name

Command Mode

- /exec

personality restore

```
personality restore <uri> [ user-name <user> ] [ password <password> ] [ hostname <hostname> ] [ vrf
<vrf_name> ]
```

Syntax Description

personality	Personality
restore	Restore the personality file
<i>uri</i>	Personality file
user-name	(Optional) The username for downloads
<i>user</i>	(Optional) The username
password	(Optional) The password for downloads
<i>password</i>	(Optional) The password
hostname	(Optional) The hostname for downloads
<i>hostname</i>	(Optional) The hostname
vrf	(Optional) The VRF for downloads
<i>vrf_name</i>	(Optional) The VRF name

Command Mode

- /exec

phone-contact

{ phone-contact <s0> | no phone-contact }

Syntax Description

no	Negate a command or set its defaults
phone-contact	Contact person's phone number
s0	Phone number in international format(such as +1-800-123-4567)

Command Mode

- /exec/configure/callhome

pim

[no] pim

Syntax Description

no	(Optional) Negate a command or set its defaults
pim	Policies for a Remote Receiver

Command Mode

- /exec/configure/nbm-host-policy

pim

[no] pim

Syntax Description

no	(Optional) Negate a command or set its defaults
pim	Policies for a Remote Receiver

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy

ping

```
ping [ { { <alpha> | <numeric> [ loopback interface <interface> ] } | { multicast <group> interface <interface>
[ loopback ] } } [ [ source-interface <src-intf> | vrf { <vrf-name> | <vrf-known-name> } ] [ count { <count>
| unlimited } | packet-size <packetsize> | vrf { <vrf-name> | <vrf-known-name> } | interval <interval> | source
{ <alpha> | <numeric1> } | df-bit | timeout <timeout> } + [ count { <count> | unlimited } | packet-size
<packetsize> | source-interface <src-intf> | interval <interval> | df-bit | timeout <timeout> } + ] ]
```

Syntax Description

ping	Test
count	(Optional) Number
unlimited	(Optional) Unlimited
<i>count</i>	(Optional) Number
packet-size	(Optional) Packet
<i>packetsize</i>	(Optional) Size
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface
interval	(Optional) Wait
<i>interval</i>	(Optional) Interval
<i>numeric</i>	(Optional) IP address of remote system
<i>numeric1</i>	(Optional) IP
<i>alpha</i>	(Optional) Enter
multicast	(Optional) Multicast
<i>group</i>	(Optional) Multicast
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface
loopback	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
source	(Optional) Source
df-bit	(Optional) Enable
timeout	(Optional) Specify
<i>timeout</i>	(Optional) Timeout
vrf	(Optional) Display per-VRF information

<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

ping6

```
ping6 { { <host> | <hostname> } | { multicast <group> } } [ [ { count { <count> | unlimited } } | { packet-size
<packetsize> } | [ source { <host1> | <hostname> } ] | vrf { <vrf-name> | <vrf-known-name> } | timeout
<timeout> | { interval <interval> } ] + [ [ { count { <count> | unlimited } } | { packet-size <packetsize> } | {
source-interface <src-intf> } | timeout <timeout> | { interval <interval> } ] + ]
```

Syntax Description

ping6	Test
count	(Optional) Number
<i>count</i>	(Optional) Number
unlimited	(Optional) unlimited
packet-size	(Optional) Packet
<i>packetsize</i>	(Optional) Size
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface
interval	(Optional) Wait
<i>interval</i>	(Optional) Interval
<i>hostname</i>	Enter
multicast	Multicast
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source
timeout	(Optional) Specify
<i>timeout</i>	(Optional) Timeout

Command Mode

- /exec

ping

```
ping { { nve [ mac <dmac> <dot1qid> [ <intfid> ] ] | srv6 } { [ ip ] [ <ipv6_addr> | <ipv4_host> | unknown
] [ vrf { <vrf-name> | <vrf-known-name> } ] [ profile <pid> ] [ payload { [ mac-addr <dstmac> <smac> ] [
dot1q <dot1q-id> ] [ ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> ] [ port <sport> <dport> ] [ proto <proto-id>
] [ src-intf <src_if> ] } payload-end ] } [ [ sid <sid_addr> ] [ via { <sid_list_entry> } + sid-list-end ] [ end-otp
<otp> ] [ end-op <op> ] [ no-proof-of-transit ] [ no-reduced-srh ] } } [ [ { vni <vni-id> } ] [ { sport <sval> }
] ] [ source { <src_if_ip_addr> | <src_if_ipv6_addr> } ] |
```

Syntax Description

{	<count>
ping	Test
nve	Vxlan oam commands
ip	(Optional) ip address
mac	(Optional) MAC address
<i>dmac</i>	(Optional) Destination mac address
<i>dot1qid</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
<i>intfid</i>	(Optional) Name of the interface for ngoam traceroute on which dot1q is configured
srv6	Use the Segment Routed fabric for this ping
<i>ipv4_host</i>	(Optional) Ipv4 remote host address
unknown	(Optional) Find what to ping from payload info
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
profile	(Optional) NGOAM profile to use
<i>pid</i>	(Optional) NGOAM profile id
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
<i>dstmac</i>	(Optional) Destination mac address
<i>smac</i>	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt

<i>dstip</i>	(Optional) Destination ipv4 address
<i>srcip</i>	(Optional) source ipv4 address
<i>ipv6</i>	(Optional) ipv6 address
<i>port</i>	(Optional) L4 port info
<i>sport</i>	(Optional) Source port
<i>dport</i>	(Optional) Destination port
<i>proto</i>	(Optional) Protocol
<i>proto-id</i>	(Optional) IANA Protocol id
<i>src-intf</i>	(Optional) Interface on which the host with src ip of the payload is connected
<i>src_if</i>	(Optional) Interface
<i>payload-end</i>	(Optional) End of payload info
<i>sid</i>	(Optional) Segment Identifier
<i>via</i>	(Optional) Specify the SID list for the packet to traverse through
<i>sid-list-end</i>	(Optional) Indicate end of sid list
<i>end-otp</i>	(Optional) Override default End.OTP SID
<i>end-op</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vni</i>	(Optional) Vni for vxlan
<i>vni-id</i>	(Optional) Configure vni id
<i>sport</i>	(Optional) Outer UDP source port for vxlan
<i>sval</i>	(Optional) Udp source port range, max span 1024, Example: 2000-3000,400,500
<i>source</i>	(Optional) Source IP address to use
<i>src_if_ip_addr</i>	(Optional) IP address of local system
<i>no-proof-of-transit</i>	(Optional) For srv6 ping pkts, disable proof of transit
<i>no-reduced-srh</i>	(Optional) For srv6 ping pkts, do not use a Reduced SRH

Command Mode

- /exec

ping mpls

```
ping mpls { nil-fec { { labels <comma-separated-labels> } { output { ointerface <tx-interface> } nexthop
<nexthop-ip-addr> } | { policy { { name <srte-policy-name> } | { endpoint <srte-policy-endpoint> color
<srte-policy-color> } } [ { output { ointerface <tx-interface> } [ nexthop <nexthop-ip-addr> ] ] } } } [ {
repeat <count> } | { { size <size> } | { sweep <min-size> <max-size> <increment> } } | { timeout <seconds>
} | { interval <milliseconds> } | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> | <addr-incr> ] ]
} | { source <addr> } | { exp <exp-value> } | { pad <pattern> } | { ttl <ttl> } | { verbose } | { reply { { mode
{ <reply-mode-ipv4> | router-alert | control-channel | no-reply } } | { dscp { <dscp-bits> | af11 | af12 | af13 |
af21 | af22 | af23 | af31 | af32 | af33 | af41 | af42 | af43 | cs1 | cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } | {
pad-tlv } } } + | { force-explicit-null } | { dsmap [ hashkey { none | { hash-ipv4 { bitmap <bitmap-size> } }
} ] } | { flags { fec } } ] } +
```

Syntax Description

ping	need
mpls	Test
nil-fec	Target
labels	A
<i>comma-separated-labels</i>	A
repeat	(Optional) Repeat
<i>count</i>	(Optional) Repeat
size	(Optional) Packet
<i>size</i>	(Optional) Datagram
sweep	(Optional) Sweep
<i>min-size</i>	(Optional)
<i>max-size</i>	(Optional)
<i>increment</i>	(Optional) Sweep
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
interval	(Optional) Send
<i>milliseconds</i>	(Optional) Send
destination	(Optional) Destination
<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination

<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
pad	(Optional) Pad
<i>pattern</i>	(Optional) Pad
ttl	(Optional) Time
<i>ttl</i>	(Optional) TTL
verbose	(Optional) verbose
reply	(Optional) Reply
mode	(Optional) Reply
reply-mode-ipv4	(Optional) Send
router-alert	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
control-channel	(Optional) Send
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match
af33	(Optional) Match
af41	(Optional) Match

af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
pad-tlv	(Optional) Reply
force-explicit-null	(Optional) Force
output	Output
ointerface	Echo
<i>tx-interface</i>	Echo
nexthop	Next
<i>nexthop-ip-addr</i>	Next
dsmap	(Optional) Request
hashkey	(Optional) Downstream
none	(Optional) Hash
hash-ipv4	(Optional) IPv4
bitmap	(Optional) Hash
<i>bitmap-size</i>	(Optional) Multipath
flags	(Optional) Flag
fec	(Optional) Request
policy	Derive
name	Specify
color	Specify

endpoint	Specify
<i>srte-policy-name</i>	The
<i>srte-policy-color</i>	The
<i>srte-policy-endpoint</i>	The

Command Mode

- /exec

ping mpls monitor session-id nil-fec labels output ointerface nexthop

ping mpls monitor session-id <id> nil-fec labels <comma-separated-labels> output ointerface <tx-interface> nexthop <nexthop-ip-addr> [interval <interval>] [multiplier <multiplier>] | no ping mpls monitor session-id <id>

Syntax Description

no	Negate a command or set its defaults
ping	need
mpls	Test
monitor	Start
session-id	Id
<i>id</i>	Id
nil-fec	Target
labels	A
<i>comma-separated-labels</i>	A
output	Output
ointerface	Echo
<i>tx-interface</i>	Echo
nexthop	Next
<i>nexthop-ip-addr</i>	Next
interval	(Optional) Interval
<i>interval</i>	(Optional) Interval
multiplier	(Optional) Number
<i>multiplier</i>	(Optional) Number

Command Mode

- /exec

ping sr-mpls

```
ping sr-mpls { <sr-ipv4-prefix> fec-type { { igp isis } | { bgp } | { generic } } } [ { repeat <count> } | { size
<size> } | { sweep <min-size> <max-size> <increment> } } | { timeout <seconds> } | { interval <milliseconds>
} | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> | <addr-incr> ] ] } | { source <addr> } | { exp
<exp-value> } | { pad <pattern> } | { ttl <ttl> } | { verbose } | { reply { { mode { <reply-mode-ipv4> |
router-alert | control-channel | no-reply } } | { dscp { <dscp-bits> | af11 | af12 | af13 | af21 | af22 | af23 | af31
| af32 | af33 | af41 | af42 | af43 | cs1 | cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } } | { pad-tlv } } } + | {
force-explicit-null } | { dsmap [ hashkey { none | { hash-ipv4 { bitmap <bitmap-size> } } } ] } | { flags { fec
} } } ] +
```

Syntax Description

ping	need
sr-mpls	Test
<i>sr-ipv4-prefix</i>	IP
fec-type	Type
igp	Kind
isis	ISIS
bgp	BGP
generic	Generic
repeat	(Optional) Repeat
<i>count</i>	(Optional) Repeat
size	(Optional) Packet
<i>size</i>	(Optional) Datagram
sweep	(Optional) Sweep
<i>min-size</i>	(Optional)
<i>max-size</i>	(Optional)
<i>increment</i>	(Optional) Sweep
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
interval	(Optional) Send
<i>milliseconds</i>	(Optional) Send
destination	(Optional) Destination

<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination
<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
pad	(Optional) Pad
<i>pattern</i>	(Optional) Pad
ttl	(Optional) Time
<i>ttl</i>	(Optional) TTL
verbose	(Optional) verbose
reply	(Optional) Reply
mode	(Optional) Reply
reply-mode-ipv4	(Optional) Send
router-alert	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
control-channel	(Optional) Send
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match

af33	(Optional) Match
af41	(Optional) Match
af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
pad-tlv	(Optional) Reply
force-explicit-null	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
dsmap	(Optional) Request
hashkey	(Optional) Downstream
none	(Optional) Hash
hash-ipv4	(Optional) IPv4
bitmap	(Optional) Hash
<i>bitmap-size</i>	(Optional) Multipath
flags	(Optional) Flag
fec	(Optional) Request

Command Mode

- /exec

pki-trustpoint

{ [no] pki-trustpoint <name> }

Syntax Description

pki-trustpoint	Trustpoint to be used
<i>name</i>	name

Command Mode

- /exec/configure/eap-profile

platform insert module

```
[no] platform insert module <module_num> [ { { linecard { N9K-X9516v | N9K-X9532v | N9K-X9536v |
N9K-X9548v | N9K-X9564v | 8201-32FH | N9K-C9808-FM-A | N9K-C9804-FM-A | N9K-C93108TC-FX3P
| N9K-C9364C-GX | N9K-C93600CD-GX | N9K-C9316D-GX | N9K-C9364D-GX2A | N9K-C9348D-GX2A
| N9K-C9332D-GX2B | N9K-C9332D-H2R | N9K-C9336D-HXB | N9K-C9364C-HXB | N9K-C9364C-H1
| N9K-X9836DM-A | N9K-X9836DM-B | N9K-C9232E-B1 | N9K-C9348GC-FX3 | N9K-C9348GC-FX3PH
| N9K-C9336C-K1 | N9K-C93180YC-FX3 | N9K-X98900CD-A } } } | { sup { eor | tor } } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform specific commands
insert	Insert a module
module	insert a specific module
<i>module_num</i>	Please enter the module number
linecard	(Optional) Linecard module
N9K-X9516v	(Optional) Nexus 9000v 16 port Ethernet Module
N9K-X9532v	(Optional) Nexus 9000v 32 port Ethernet Module
N9K-X9536v	(Optional) Nexus 9000v 36 port Ethernet Module
N9K-X9548v	(Optional) Nexus 9000v 48 port Ethernet Module
N9K-X9564v	(Optional) Nexus 9000v 64 port Ethernet Module
8201-32FH	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9808-FM-A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9804-FM-A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C93108TC-FX3P	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9364C-GX	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C93600CD-GX	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9316D-GX	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9364D-GX2A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9348D-GX2A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9332D-GX2B	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9332D-H2R	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

N9K-C9336D-HXB	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9364C-H1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9364C-HXB	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-X9836DM-A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-X9836DM-B	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9232E-B1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9348GC-FX3	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9348GC-FX3PH	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9336C-K1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C93180YC-FX3	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-X98900CD-A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sup	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
eor	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
tor	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

platform name vsan

[no] platform name <*s0*> vsan <*i0*>

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform Object Registration
name	Name of the Platform
<i>s0</i>	Platform name string
vsan	VSAN id of the platform
<i>i0</i>	VSAN number

Command Mode

- /exec/configure/fcs-register

platform proactive-cc forwarding

platform proactive-cc forwarding [incremental <timer-incremental>] [fulldb <timer-fulldb>] | no platform proactive-cc forwarding

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
proactive-cc	Proactive Consistency Checker
forwarding	Forwarding
incremental	(Optional) Configure Incremental timer value
<i>timer-incremental</i>	(Optional) Timer value in seconds
fulldb	(Optional) Configure Fulldb timer value
<i>timer-fulldb</i>	(Optional) Timer value in seconds

Command Mode

- /exec/configure

platform rate-limiter span-egress

```
{ platform | hardware } rate-limiter span-egress <rate> [ module <module> ] | no { platform | hardware }
rate-limiter span-egress [ <rate> ] [ module <module> ]
```

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
rate-limiter	Configure Rate-Limiter for packets forwarded
span-egress	SPAN/ERSPAN egress packets
<i>rate</i>	value in kbit per sec
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec/configure

platform vnic scheme sequential

platform vnic scheme { sequential | mac-encoded }

Syntax Description

platform	Platform specific commands
vnic	Virtual Network Interface Card
scheme	Virtual Network Interface Card allocation scheme
sequential	Sequential allocation of VNICs to linecard modules
mac-encoded	MAC address encoded allocation of VNICs to linecard modules

Command Mode

- /exec

pnp startup-vlan

pnp startup-vlan <vlan> | no pnp startup-vlan [<vlan>]

Syntax Description

no	disable pnp startup vlan configured. default value is vlan 1
pnp	plug and play
startup-vlan	PnP startup-vlan
<i>vlan</i>	PNP vlan id. Default vlan is 1

Command Mode

- /exec/configure

exceed	(Optional) Specify a exceed action
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
<i>opt_drop_transmit_violate</i>	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map

Command Mode

- /exec/configure/pmap/class

police

```
[no] police [ { [ cir ] { <cir-val> [ <opt_kbps_mbps_gbps_pps_cir> ] | percent <cir-perc> } } { [ [ bc ]
<bc-val> [ <opt_kbytes_mbytes_gbytes_bc> ] ] } } { [ { pir { <pir> [ <opt_kbps_mbps_gbps_pps_pir> ]
percent1 <pir-perc> } } [ [ be ] <be-val> [ <opt_kbytes_mbytes_gbytes_be> ] ] ] } { [ { conform {
<opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> |
<opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } ] [ { exceed {
<opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } } ] [ { violate {
<opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } } ] ] ] }
```

Syntax Description

no	Negate a command or set its defaults
police	Police
cir	(Optional) Specify committed information rate
<i>opt_kbps_mbps_gbps_pps_cir</i>	(Optional) Units
percent	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pir	(Optional) Specify peak information rate
<i>opt_kbps_mbps_gbps_pps_pir</i>	(Optional) Units
percent1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
be	(Optional) Specify extended burst
<i>opt_kbytes_mbytes_gbytes_be</i>	(Optional) Units
bc	(Optional) Specify committed burst
<i>opt_kbytes_mbytes_gbytes_bc</i>	(Optional) Units
conform	(Optional) Specify a conform action
<i>opt_drop_transmit_conform</i>	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
<i>set-cos-val</i>	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
<i>set-dscp-val</i>	(Optional) DSCP value
<i>opt_set_dscp</i>	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
<i>set-prec-val</i>	(Optional) IP Precedence value
<i>opt_set_prec</i>	(Optional)

exceed	(Optional) Specify a exceed action
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
<i>opt_drop_transmit_violate</i>	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map

Command Mode

- /exec/configure/pmap/class

police

```
[no] police { { [ cir ] { <cir-val> [ bps | kbps | mbps | gbps | pps ] | percent <cir-perc> } [ [ bc ] {
<committed-burst> [ bytes | kbytes | mbytes | ms | us | packets ] } ] [ pir { <pir-val> [ bps2 | kbps2 | mbps2 |
gbps2 | pps2 ] | percent <pir-perc> } [ [ be ] { <extended-burst> [ bytes2 | kbytes2 | mbytes2 | ms2 | us2 |
packets2 ] } ] ] [ conform { transmit | set-prec-transmit { <prec-val> | <prec-enum> } | set-dscp-transmit {
<dscp-val> | <dscp-enum> } | set-cos-transmit <cos-val> | set-discard-class-transmit <disc-class-val> |
set-qos-transmit <qos-grp-val> | set-mpls-exp-imposition-transmit <exp-value-imp> |
set-mpls-exp-topmost-transmit <exp-value-top> } ] [ exceed { transmit1 | drop1 | set <exc-frm-field>
<exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1> | <prec-enum1> } | set-dscp-transmit1
{ <dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> | set-discard-class-transmit1 <disc-class-val1>
| set-qos-transmit1 <qos-grp-val1> | set-mpls-exp-imposition-transmit1 <exp-value-imp1> |
set-mpls-exp-topmost-transmit1 <exp-value-top1> } ] [ violate { drop2 | set <vio-frm-field> <vio-to-field>
table2 pir-markdown-map | set-prec-transmit2 { <prec-val2> | <prec-enum2> } | set-dscp-transmit2 {
<dscp-val2> | <dscp-enum2> } | set-cos-transmit2 <cos-val2> | set-discard-class-transmit2 <disc-class-val2>
| set-qos-transmit2 <qos-grp-val2> | set-mpls-exp-imposition-transmit2 <exp-value-imp2> |
set-mpls-exp-topmost-transmit2 <exp-value-top2> } ] } | aggregate <policer-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
police	police
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
<i>cir-perc</i>	Percentage
<i>pir-perc</i>	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
pps	(Optional) Packets per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second

gbps2	(Optional) Giga Bits per second
pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
packets	(Optional) Packets
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
transmit1	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
<i>prec-val</i>	(Optional) Precedence value
<i>prec-val1</i>	(Optional) Precedence value
<i>prec-val2</i>	(Optional) Precedence value
<i>prec-enum</i>	(Optional)
<i>prec-enum1</i>	(Optional)

<i>prec-enum2</i>	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it
set-dscp-transmit2	(Optional) Set dscp and send it
<i>dscp-val</i>	(Optional) DSCP value
<i>dscp-val1</i>	(Optional) DSCP value
<i>dscp-val2</i>	(Optional) DSCP value
<i>dscp-enum</i>	(Optional)
<i>dscp-enum1</i>	(Optional)
<i>dscp-enum2</i>	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
<i>cos-val</i>	(Optional) new cos value
<i>cos-val1</i>	(Optional) new cos value
<i>cos-val2</i>	(Optional) new cos value
set-discard-class-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>disc-class-val</i>	(Optional) new discard-class value
<i>disc-class-val1</i>	(Optional) new discard-class value
<i>disc-class-val2</i>	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
<i>qos-grp-val</i>	(Optional) QoS group value
<i>qos-grp-val1</i>	(Optional) QoS group value
<i>qos-grp-val2</i>	(Optional) QoS group value
set-mpls-exp-imposition-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

set-mps-exp-imposition-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mps-exp-imposition-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-imp</i>	(Optional) MPLS imposition value
<i>exp-value-imp1</i>	(Optional) MPLS imposition value
<i>exp-value-imp2</i>	(Optional) MPLS imposition value
set-mps-exp-topmost-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mps-exp-topmost-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mps-exp-topmost-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-top</i>	(Optional) MPLS topmost value
<i>exp-value-top1</i>	(Optional) MPLS topmost value
<i>exp-value-top2</i>	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exc-frm-field</i>	(Optional)
<i>exc-to-field</i>	(Optional)
<i>vio-frm-field</i>	(Optional)
<i>vio-to-field</i>	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action
aggregate	Choose aggregate policer for current class
<i>policer-name</i>	Enter aggregate-policer name

Command Mode

- /exec/configure/policy-map/class

police

```
[no] police { { [ cir ] { <cir-val> [ bps | kbps | mbps | gbps ] | percent <cir-perc> } [ [ bc ] { <committed-burst>
[ bytes | kbytes | mbytes | ms | us ] } ] [ pir { <pir-val> [ bps2 | kbps2 | mbps2 | gbps2 | pps2 ] | percent <pir-perc>
} [ [ be ] { <extended-burst> [ bytes2 | kbytes2 | mbytes2 | ms2 | us2 | packets2 ] } ] ] [ conform { transmit |
set-prec-transmit { <prec-val> | <prec-enum> } | set-dscp-transmit { <dscp-val> | <dscp-enum> } |
set-cos-transmit <cos-val> | set-discard-class-transmit <disc-class-val> | set-qos-transmit <qos-grp-val> |
set-mpls-exp-imposition-transmit <exp-value-imp> | set-mpls-exp-topmost-transmit <exp-value-top> } [
exceed { drop1 | set <exc-frm-field> <exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1>
| <prec-enum1> } | set-dscp-transmit1 { <dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> |
set-discard-class-transmit1 <disc-class-val1> | set-qos-transmit1 <qos-grp-val1> |
set-mpls-exp-imposition-transmit1 <exp-value-imp1> | set-mpls-exp-topmost-transmit1 <exp-value-top1> }
] [ violate { drop2 | set <vio-frm-field> <vio-to-field> table2 pir-markdown-map | set-prec-transmit2 {
<prec-val2> | <prec-enum2> } | set-dscp-transmit2 { <dscp-val2> | <dscp-enum2> } | set-cos-transmit2
<cos-val2> | set-discard-class-transmit2 <disc-class-val2> | set-qos-transmit2 <qos-grp-val2> |
set-mpls-exp-imposition-transmit2 <exp-value-imp2> | set-mpls-exp-topmost-transmit2 <exp-value-top2> }
] ] } | aggregate <policer-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
police	police
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
<i>cir-perc</i>	Percentage
<i>pir-perc</i>	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second
gbps2	(Optional) Giga Bits per second

pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
<i>prec-val</i>	(Optional) Precedence value
<i>prec-val1</i>	(Optional) Precedence value
<i>prec-val2</i>	(Optional) Precedence value
<i>prec-enum</i>	(Optional)
<i>prec-enum1</i>	(Optional)
<i>prec-enum2</i>	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it

set-dscp-transmit2	(Optional) Set dscp and send it
<i>dscp-val</i>	(Optional) DSCP value
<i>dscp-val1</i>	(Optional) DSCP value
<i>dscp-val2</i>	(Optional) DSCP value
<i>dscp-enum</i>	(Optional)
<i>dscp-enum1</i>	(Optional)
<i>dscp-enum2</i>	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
<i>cos-val</i>	(Optional) new cos value
<i>cos-val1</i>	(Optional) new cos value
<i>cos-val2</i>	(Optional) new cos value
set-discard-class-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>disc-class-val</i>	(Optional) new discard-class value
<i>disc-class-val1</i>	(Optional) new discard-class value
<i>disc-class-val2</i>	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
<i>qos-grp-val</i>	(Optional) QoS group value
<i>qos-grp-val1</i>	(Optional) QoS group value
<i>qos-grp-val2</i>	(Optional) QoS group value
set-mpls-exp-imposition-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-imp</i>	(Optional) MPLS imposition value

<i>exp-value-imp1</i>	(Optional) MPLS imposition value
<i>exp-value-imp2</i>	(Optional) MPLS imposition value
set-mpls-exp-topmost-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-top</i>	(Optional) MPLS topmost value
<i>exp-value-top1</i>	(Optional) MPLS topmost value
<i>exp-value-top2</i>	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exc-frm-field</i>	(Optional)
<i>exc-to-field</i>	(Optional)
<i>vio-frm-field</i>	(Optional)
<i>vio-to-field</i>	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action
aggregate	Choose aggregate policer for current class
<i>policer-name</i>	Enter aggregate-policer name

Command Mode

- /exec/configure/policy-map/class

policer

[no] policer

Syntax Description

no	(Optional) Negate a command or set its defaults
policer	Flow rate limiter installed in hardware

Command Mode

- /exec/configure/nbm-flow-policy/attr

policer

[no] policer

Syntax Description

no	(Optional) Negate a command or set its defaults
policer	Flow rate limiter installed in hardware

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy/attr

policy-map

[no] policy-map [type qos] [match-first] <pmap-name-qos>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	(Optional) Specify the type of this policy-map
qos	(Optional) Qos policy
match-first	(Optional) Take the action for the first class that matches
<i>pmap-name-qos</i>	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy-map type control-plane

[no] policy-map type control-plane <pmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
control-plane	Control-Plane
<i>pmap-name</i>	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy-map type network-qos

[no] policy-map type network-qos <pmap-name-nq>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
network-qos	Network QoS policy
<i>pmap-name-nq</i>	Policy-map name

Command Mode

- /exec/configure

policy-map type queuing

[no] policy-map type queuing [match-first] <pmap-name-que>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
queuing	Queuing policy
match-first	(Optional) Take the action for the first class that matches
<i>pmap-name-que</i>	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy

[no] policy <pol-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	Identifying name for policy with max 64 characters
<i>pol-name</i>	Configure Policy name

Command Mode

- /exec/configure/sr/te

policy

[no] policy { <cfg-pol-name> | <unknown-pol-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	NBM Flow policy
<i>cfg-pol-name</i>	Policy name
<i>unknown-pol-name</i>	Policy name

Command Mode

- /exec/configure/nbm-flow-policy

policy

[no] policy { <cfg-pol-name> | <unknown-pol-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	NBM Flow policy
<i>cfg-pol-name</i>	Policy name
<i>unknown-pol-name</i>	Policy name

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy

pop

pop [<name>]

Syntax Description

pop	pop mode from stack or restore from name
<i>name</i>	(Optional) name

Command Mode

- /global

port-channel bfd destination

port-channel bfd destination <dest-ip> | no port-channel bfd destination [<dest-ip>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
bfd	BFD parameters
destination	Configure IP address of BFD peer
<i>dest-ip</i>	BFD peer IPv4 address

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel bfd start

port-channel bfd start <start-timer-value> | no port-channel bfd start [<start-timer-value>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
bfd	BFD parameters
start	Start timer timeout value
<i>start-timer-value</i>	BFD start timer timeout value in seconds (default off)

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel bfd track-member-link

port-channel bfd track-member-link | no port-channel bfd track-member-link

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
bfd	Enable BFD
track-member-link	Enable per-member-link BFD on the port-channel interface

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel fast-convergence

port-channel fast-convergence | no port-channel fast-convergence

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
fast-convergence	Enable/Disable port-channel fast convergence

Command Mode

- /exec/configure

port-channel hash-distribution

port-channel hash-distribution <type> | no port-channel hash-distribution [<type>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
hash-distribution	Configure port-channel hash-distribution
<i>type</i>	adaptive/fixed (default adaptive)

Command Mode

- /exec/configure/

port-channel limit

port-channel limit | no port-channel limit

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure the maximum number of supported vPCs
limit	limit to 244 vPCs

Command Mode

- /exec/configure/vpc-domain

port-channel load-balance

```
port-channel load-balance <bndl_hash> <bndl_sel> <encap> [ <encap_type> ] [ rotate <po-lb-rotate-range>
] [ symmetric ] | no port-channel load-balance [ <bndl_hash> <bndl_sel> <encap> [ <encap_type> ] [ rotate
<po-lb-rotate-range> ] [ symmetric ] ]
```

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
<i>bndl_hash</i>	bundle hash
<i>bndl_sel</i>	bundle select
<i>encap</i>	encapsulation
<i>encap_type</i>	(Optional) mpls encapsulation type
rotate	(Optional) offset the hash-input
<i>po-lb-rotate-range</i>	(Optional) offset the hash-input
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-balance1 ethernet

port-channel load-balance1 ethernet <algorithm> [symmetric] | no port-channel load-balance1 ethernet [<algorithm> [symmetric]]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance1	Configure port-channel load balance
ethernet	Ethernet port-channel
<i>algorithm</i>	Configure port-channel load balance
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-balance2 resilient

port-channel load-balance2 resilient | no port-channel load-balance2 resilient

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance2	Configure port-channel load balance
resilient	Configure port-channel load balance resilient mode

Command Mode

- /exec/configure

port-channel load-balance

```
port-channel load-balance <bndl_hash> <bndl_sel> [ rotate <po-lb-rotate-range> ] [ concatenation ] [ module
<module> | fex all ] [ symmetric ] | no port-channel load-balance [ <bndl_hash> <bndl_sel> [ rotate
<po-lb-rotate-range> ] [ concatenation ] [ module <module> | fex all ] [ symmetric ] ]
```

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
<i>bndl_hash</i>	bundle hash
<i>bndl_sel</i>	bundle select
rotate	(Optional) offset the hash-input
<i>po-lb-rotate-range</i>	(Optional) offset the hash-input
concatenation	(Optional) enable/disable concatenation
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
fex	(Optional) FEX devices
all	(Optional) Permit all FEX to configure port-channel LB
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-defer

port-channel load-defer <load-defer-timeout> | no port-channel load-defer [<load-defer-timeout>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-defer	Load defer time interval
<i>load-defer-timeout</i>	Load defer time interval in seconds (default 120 seconds)

Command Mode

- /exec/configure/

port-channel port hash-distribution

port-channel port hash-distribution <type> | no port-channel port hash-distribution [<type>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
port	Configure port-channel port hash-distribution
hash-distribution	Configure port-channel port hash-distribution
<i>type</i>	adaptive/fixed (default adaptive)

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel port load-defer

port-channel port load-defer | no port-channel port load-defer

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
port	Configure port-channel load-defer for member ports
load-defer	Configure port-channel load-defer

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel scale-fanout

port-channel scale-fanout | no port-channel scale-fanout

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
scale-fanout	Enable/disable port-channel scale-fanout when ports span more than 16 ASIC units

Command Mode

- /exec/configure

port-group

{ port-group <name> } | { no port-group <name> }

Syntax Description

no	Negate a command or set its defaults
port-group	ITD port group
<i>name</i>	ITD port group name

Command Mode

- /exec/configure/itd

port-license

[no] port-license [acquire]

Syntax Description

no	(Optional) Negate a command or set its defaults
port-license	Enable port activation license
acquire	(Optional) Acquire port activation license

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

port-license

[no] port-license [acquire]

Syntax Description

no	(Optional) Negate a command or set its defaults
port-license	Enable port activation license
acquire	(Optional) Acquire port activation license

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

port-parameters

port-parameters

Syntax Description

port-parameters	Clock port configuration
-----------------	--------------------------

Command Mode

- /exec/configure/clock-if

port-profile

```
[no] port-profile [ type <typeval> ] { <profilename> | <s0> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
port-profile	Configure a port-profile
<i>profilename</i>	Enter the name of the profile
<i>s0</i>	Enter the name of the profile
type	(Optional) configure type of the profile
<i>typeval</i>	(Optional)

Command Mode

- /exec/configure

port-recovery-interval

[no] port-recovery-interval <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
port-recovery-interval	Time interval to send recovery probes,Unit:Second
<i>val</i>	Port recovery interval value in seconds

Command Mode

- /exec/configure/configngoamloopdetection

port-type

[no] port-type <type>

Syntax Description

no	(Optional) Negate a command or set its defaults
port-type	Identifies port facing type
<i>type</i>	Facing port-type

Command Mode

- /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-ether-sub-p2p

port

{ no port | port <value> }

Syntax Description

no	
port	Port on which to listen
<i>value</i>	Max port value

Command Mode

- /exec/configure/config-twamp-srvr

port

```
{ port <sport> <dport> }
```

Syntax Description

port	L4 port info
<i>sport</i>	Source port
<i>dport</i>	Destination port

Command Mode

- /exec/configure/configngoamccpayload

port

[no] port <port-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Application port number server
<i>port-value</i>	port value

Command Mode

- /exec/configure/itd-dg-node

port

{ { [no] port <i0> } | { no port } }

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Specify port on which local radius server listens
<i>i0</i>	Radius server port (default is 1700)

Command Mode

- /exec/configure/locsvr-da-radius

port destination

```
{ port { destination | source } <port> } | { no port { destination | source } }
```

Syntax Description

no	Negate a command or set its defaults
port	specify flow port address
source	specify flow source port address
destination	specify flow destination port address
<i>port</i>	port number

Command Mode

- /exec/configure/configngoamprofileflow

port type ethernet

```
[no] port <port-range> type { ethernet | fc [ breakout ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Configure a port
<i>port-range</i>	Enter a port range
type	Configure a port type
ethernet	Ethernet Port
fc	FC Port
breakout	(Optional) Breakout Subtype

Command Mode

- /exec/configure/slot

port usb disable

[no] port usb disable

Syntax Description

no	(Optional) Negate a command
port	disable USB port(s)
usb	mount USB drive
disable	disables USB drive

Command Mode

- /exec/configure

postcard-telemetry exporter

[no] postcard-telemetry exporter <exportername>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
exporter	Define a events Exporter
<i>exportername</i>	Name of event Exporter

Command Mode

- /exec/configure/config-postcard

postcard-telemetry flow-profile

[no] postcard-telemetry flow-profile

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
flow-profile	Define a POSTCARD flow-profile

Command Mode

- /exec/configure/config-postcard

postcard-telemetry monitor

[no] postcard-telemetry monitor <monitorname>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
monitor	Define a POSTCARD Monitor
<i>monitorname</i>	Name of POSTCARD Monitor

Command Mode

- /exec/configure/config-postcard

postcard-telemetry queue-profile

[no] postcard-telemetry queue-profile [<queue_profilename> | queue-profile-default]

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
queue-profile	Define a POSTCARD queue_profile
<i>queue_profilename</i>	(Optional) Name of POSTCARD queue_profile
queue-profile-default	(Optional) Queue Profile Default Configuration

Command Mode

- /exec/configure/config-postcard

postcard-telemetry system monitor

[no] postcard-telemetry system monitor <monitorname>

Syntax Description

system	global config
postcard-telemetry	postcard global settings
monitor	postcard Monitor to be applied
<i>monitorname</i>	postcard Monitor to be applied

Command Mode

- /exec/configure/config-postcard

postcard-telemetry watchlist ip

[no] postcard-telemetry watchlist ip <watchlistname>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
watchlist	Define a POSTCARD watchlist
ip	Configure POSTCARD IP watchlist
<i>watchlistname</i>	Name of POSTCARD watchlist

Command Mode

- /exec/configure/config-postcard

power efficient-ethernet auto

[no] power efficient-ethernet auto

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure interface power settings
efficient-ethernet	Configure Energy Efficient Ethernet (EEE)
auto	Auto negotiate EEE

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

power efficient-ethernet sleep threshold aggressive

[no] power efficient-ethernet sleep threshold aggressive

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure interface power settings
efficient-ethernet	Configure Energy Efficient Ethernet (EEE)
sleep	EEE LPI sleep configuration
threshold	EEE LPI sleep threshold
aggressive	Enable/ Disable EEE LPI aggressive sleep mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

power inline

```
{ power inline { <port-mode-never> | <port-mode> [ max <wattage> ] } } | { no power inline {
<port-mode-never> | <port-mode> } }
```

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
<i>port-mode-never</i>	configure POE port mode
<i>port-mode</i>	configure POE port mode
max	(Optional) Configure the max power per interface
<i>wattage</i>	(Optional) milli-watts

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

power inline default_consumption

{ power inline default_consumption <wattage> } | { no power inline default_consumption }

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
default_consumption	POE port default consumption
<i>wattage</i>	milli-watts

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

power inline police action

{ power inline police action <police-action> } | { no power inline police action }

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
police	Configure POE port police parameters
action	Configure action in port when power allocation exceeds
<i>police-action</i>	configure POE port action

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

power inline port priority

{ power inline port priority <port-priority> } | { no power inline port priority <port-priority> }

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
port	Configure POE port parameters
priority	Configure the priority for the port
<i>port-priority</i>	configure POE port priority

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

power redundancy-mode combined

[no] power redundancy-mode combined

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
combined	Configure power supply redundancy mode as combined

Command Mode

- /exec/configure

power redundancy-mode combined force

[no] power redundancy-mode combined force

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
combined	Configure power supply redundancy mode as combined
force	Force combined mode without prompting

Command Mode

- /exec/configure

power redundancy-mode insrc-redundant

[no] power redundancy-mode insrc-redundant

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
insrc-redundant	Configure power supply redundancy mode as grid

Command Mode

- /exec/configure

power redundancy-mode ps-redundant

[no] power redundancy-mode ps-redundant

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
ps-redundant	Configure power supply redundancy mode as PS redundant

Command Mode

- /exec/configure

power usage-history

[no] power usage-history

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power usage history
usage-history	power usage history

Command Mode

- /exec/configure

poweroff

[no] poweroff { module <lem-aware-module> | <s0> <santa-cruz-range> }

Syntax Description

no	(Optional) Negate a command or set its defaults
poweroff	Power off a module in the switch
module	enter a module number
<i>lem-aware-module</i>	please enter the module number
<i>s0</i>	Power off a specific xbar
<i>santa-cruz-range</i>	please enter the xbar number

Command Mode

- /exec/configure

ppk crypto-qkd-profile

[no] ppk crypto-qkd-profile <policy_crypto_name>

Syntax Description

ppk	Configure PPK
crypto-qkd-profile	Configure Crypto QKD Profile
<i>policy_crypto_name</i>	Name of Crypto Profile Policy

Command Mode

- /exec/configure/macsec-policy

precision milliseconds

{ { no | default } precision | precision { milliseconds | microseconds } }

Syntax Description

no	
<i>precision</i>	milliseconds
default	Set a command to its defaults
precision	Set precision of measurement
microseconds	Precision microseconds
milliseconds	Precision milliseconds

Command Mode

- /exec/configure/ip-sla/jitter

preempt

[no] preempt

Syntax Description

no	(Optional) Negate a command or set its defaults
preempt	Enable preemption of lower priority master

Command Mode

- /exec/configure/if-eth-any/vrrp

preempt

[no] preempt | preempt

Syntax Description

no	Negate a command or set its defaults
preempt	Enable preemption of lower priority Master

Command Mode

- /exec/configure/if-eth-any/vrrpv3

preempt delay minimum

[no] preempt delay | preempt delay minimum <secs>

Syntax Description

no	Negate a command or set its defaults
preempt	Enable preemption of lower priority Master
delay	Wait before preempting
minimum	Delay at least this long
<i>secs</i>	Seconds to delay

Command Mode

- /exec/configure/if-eth-any/vrrpv3

preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt
 delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt
 delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum preempt delay reload preempt delay sync preempt

preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum preempt delay reload preempt delay sync preempt

preempt delay minimum <min-delay> reload <rel-delay> sync <sync-delay> | preempt delay reload <rel-delay>
 minimum <min-delay> sync <sync-delay> | preempt delay sync <sync-delay> minimum <min-delay> reload
 <rel-delay> | preempt delay reload <rel-delay> sync <sync-delay> minimum <min-delay> | preempt delay
 sync <sync-delay> reload <rel-delay> minimum <min-delay> | preempt delay minimum <min-delay> sync
 <sync-delay> reload <rel-delay> | preempt delay reload <rel-delay> sync <sync-delay> | preempt delay sync
 <sync-delay> reload <rel-delay> | preempt delay minimum <min-delay> sync <sync-delay> | preempt delay
 sync <sync-delay> minimum <min-delay> | preempt delay minimum <min-delay> reload <rel-delay> | preempt
 delay reload <rel-delay> | preempt delay sync <sync-delay> | preempt | no preempt [{ minimum
 [<min-delay>] [[reload [<rel-delay>]] [sync [<sync-delay>]]] [sync [<sync-delay>]] [reload [<rel-delay>]]] | reload [<rel-delay>] [[minimum [<min-delay>]] [sync [<sync-delay>]]] [sync [<sync-delay>]] [minimum [<min-delay>]]] | sync [<sync-delay>] [[reload [<rel-delay>]] [minimum [<min-delay>]]] [[minimum [<min-delay>]] [reload [<rel-delay>]]] }]

Syntax Description

no	Negate a command or set its defaults
preempt	Overthrow lower priority Active routers
delay	Wait before preempting
minimum	Delay at least this long
<i>min-delay</i>	Number of seconds for minimum delay
reload	Delay after reload
<i>rel-delay</i>	Number of seconds for reload delay
sync	Wait for IP redundancy clients
<i>sync-delay</i>	Number of seconds for sync delay

Command Mode

preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt
delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt
delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum preempt delay reload preempt delay sync preempt

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

preference

[no] preference <pref>

Syntax Description

no	(Optional) Negate a command or set its defaults
preference	Candidate path-option preference entry
<i>pref</i>	Path-option preference

Command Mode

- /exec/configure/sr/te/color/cndpaths

preference

[no] preference <pref>

Syntax Description

no	(Optional) Negate a command or set its defaults
preference	Policy path-option preference entry
<i>pref</i>	Path-option preference

Command Mode

- /exec/configure/sr/te/pol/cndpaths

preference max

[no] preference max <pref-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>pref-val</i>	maximum value

Command Mode

- /exec/configure/config-dhcp-guard

preference min

[no] preference min <pref-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>pref-val</i>	maximum value

Command Mode

- /exec/configure/config-dhcp-guard

prefix-priority high

[no] prefix-priority high

Syntax Description

no	(Optional) Negate a command or set its defaults
prefix-priority	Gives prefix priority to this address family routes
high	Set priority to high

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4-label

prefix

[no] prefix <ipv6-prefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
prefix	Configure the SRv6 locator as an IPv6 prefix

Command Mode

- /exec/configure/sr/srv6/locators/locator

prefix out

[no | default] { prefix-list <prfxlist-name> } { out | in }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
prefix-list	Apply prefix-list
<i>prfxlist-name</i>	Name of prefix-list
out	Apply policy to outgoing routes
in	Apply policy to incoming routes

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

prepend-pkg-opts

[no] prepend-pkg-opts

Syntax Description

no	(Optional) Negate a command or set its defaults
prepend-pkg-opts	Prepend docker package runtime options

Command Mode

- /exec/configure/app-hosting-docker

priority-flow-control auto-restore multiplier

[no] priority-flow-control auto-restore multiplier { <val> }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
auto-restore	auto restore
multiplier	Auto restore multiplier
<i>val</i>	Auto multiplier value

Command Mode

- /exec/configure

priority-flow-control fixed-restore multiplier

[no] priority-flow-control fixed-restore multiplier { <val> }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
fixed-restore	fixed restore
multiplier	Fixed restore multiplier
<i>val</i>	Fixed multiplier value

Command Mode

- /exec/configure

priority-flow-control mode

[no] priority-flow-control mode { auto | on [send-tlv] | off } [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Enable/Disable PFC
mode	PFC Mode
auto	Set Auto Mode
on	Force PFC to On
off	Force PFC to Off
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
send-tlv	(Optional) Send DCBX TLV for PFC config

Command Mode

- /exec/configure/if-switching /exec/configure/if-routing /exec/configure/if-port-channel /exec/configure/if-port-channel-sub

priority-flow-control override-interface mode off

[no] priority-flow-control override-interface mode off

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Global priority-flow-control settings
override-interface	Overrides interface priority-flow-control mode
mode	Priority-flow-control mode
off	Off

Command Mode

- /exec/configure

priority-flow-control recover interface

```
priority-flow-control recover interface <if_list> [ qos-group <qgrp-num> ] [ module <module_idx> ] [ instance <inst> ]
```

Syntax Description

priority-flow-control	Change PFC settings
recover	Recover PFC queue from stuck state
interface	Interface
<i>if_list</i>	List of interfaces
qos-group	(Optional) No-drop class to be recovered
<i>qgrp-num</i>	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
<i>module_idx</i>	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
<i>inst</i>	(Optional) ASIC Instance Number in Decimal

Command Mode

- /exec

priority-flow-control tah-recover interface

priority-flow-control tah-recover interface <if_list> [qos-group <qos>] [module <module>]

Syntax Description

priority-flow-control	Change PFC settings
tah-recover	Recover PFC queue from stuck state
interface	Interface
<i>if_list</i>	List of interfaces
qos-group	(Optional) No-drop class to be recovered
<i>qos</i>	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

priority-flow-control watch-dog-interval on

[no] priority-flow-control watch-dog-interval { on | off }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	Enable/Disable PFC
watch-dog-interval	Watch dog interval
on	Enable PFC watch-dog interval globally
off	Disable PFC watch-dog interval globally

Command Mode

- /exec/configure

priority-flow-control watch-dog-interval on

```
[no] priority-flow-control watch-dog-interval { on [ disable-action ] [ interface-multiplier <multiplier-val> ]
| off }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Enable/Disable PFC
watch-dog-interval	Watch dog interval
on	PFC watch-dog interval to On
disable-action	(Optional) Only generate syslog for stuck queue, no action
interface-multiplier	(Optional) Shutdown multiplier value
<i>multiplier-val</i>	(Optional) Shutdown multiplier value
off	PFC watch-dog interval to Off

Command Mode

- /exec/configure/if-switching /exec/configure/if-routing /exec/configure/if-port-channel /exec/configure/if-port-channel-sub

priority-flow-control watch-dog forced on

[no] priority-flow-control watch-dog forced { on | off }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
forced	Force enable watch-dog behaviour globally
on	Enable PFC watch-dog globally
off	Disable PFC watch-dog globally

Command Mode

- /exec/configure

priority-flow-control watch-dog interval

[no] priority-flow-control watch-dog interval <interval-val>

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
interval	Poll interval
<i>interval-val</i>	Watch dog interval value in ms

Command Mode

- /exec/configure

priority-flow-control watch-dog shutdown-multiplier

[no] priority-flow-control watch-dog shutdown-multiplier { <val> }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
shutdown-multiplier	Shutdown multiplier
<i>val</i>	Shutdown multiplier

Command Mode

- /exec/configure

priority

priority <value> | no priority

Syntax Description

no	Negate a command or set its defaults
priority	Configure Bundle priority
<i>value</i>	Priority value

Command Mode

- /exec/configure/anycast

priority2

[no] priority2 [level2 <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
priority2	Configure traffic class priority
level2	(Optional) Specify level of priority
<i>value</i>	(Optional) Strict-priority level (1=hi 2=med 3=lo)

Command Mode

- /exec/configure/policy-map/type/queuing/class

priority

[no] priority [level <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Configure traffic class priority
level	(Optional) Specify level of priority
<i>value</i>	(Optional) Value of level, lower the number higher the priority

Command Mode

- /exec/configure/policy-map/type/queuing/class

priority

```
{ priority <priority_value> [ forwarding-threshold lower <lower-value> upper <upper-value> ] | no priority
[ forwarding-threshold ] }
```

Syntax Description

no	Negate a command or set its defaults
priority	Configure the vr priority
<i>priority_value</i>	Configure the vr priority
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
<i>lower-value</i>	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
<i>upper-value</i>	(Optional) Upper threshold value

Command Mode

- /exec/configure/if-eth-any/vrrp

priority

priority <priority> [forwarding-threshold lower <lower-value> upper <upper-value>] | no priority [forwarding-threshold]

Syntax Description

no	Negate a command or set its defaults
priority	Priority level
<i>priority</i>	Priority value
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
<i>lower-value</i>	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
<i>upper-value</i>	(Optional) Upper threshold value

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

priority

[no] priority | priority <val>

Syntax Description

no	Negate a command or set its defaults
priority	Priority of this VRRP group
<i>val</i>	Priority level

Command Mode

- /exec/configure/if-eth-any/vrrpv3

priority

[no] priority <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Source priority
<i>value</i>	priority value, 1 (highest) 100 (default) 254 (lowest)

Command Mode

- /exec/configure/if-eth-base/fsync

priority

[no] priority <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Source priority
<i>value</i>	priority value, 1 (highest) 100 (default) 254 (lowest)

Command Mode

- /exec/configure/clock-if/fsync

priority

[no] priority <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Source priority
<i>value</i>	priority value, 1 (highest) 100 (default) 254 (lowest)

Command Mode

- /exec/configure/gnss-if/fsync

priority critical

{ priority critical | no priority [critical] }

Syntax Description

no	Negate a command or set its defaults
priority	Group priority
critical	Critical Priority (Highest)

Command Mode

- /exec/configure/nbm-flow-policy/attr/prop

priority critical

{ priority critical | no priority [critical] }

Syntax Description

no	Negate a command or set its defaults
priority	Group priority
critical	Critical Priority (Highest)

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-policy/attr/prop

private-vlan

[no] private-vlan <pvlan-type>

Syntax Description

no	(Optional) Negate a command or set its defaults
private-vlan	Configure a private VLAN
<i>pvlan-type</i>	PVLAN Type

Command Mode

- /exec/configure/vlan

private-vlan association

```
{ private-vlan association [ { add | remove } ] <secondary_vlans> } | { no private-vlan association [ <secondary_vlans> ] }
```

Syntax Description

private-vlan	Configure a private VLAN
association	Add association between private VLANs
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>secondary_vlans</i>	VLAN IDs of the private VLANs to be configured

Command Mode

- /exec/configure/vlan

private-vlan mapping

```
{ private-vlan mapping [ { add | remove } ] <secondary_vlans> } | { no private-vlan mapping [ <secondary_vlans> ] }
```

Syntax Description

private-vlan	Configure a private VLAN
mapping	Set the private VLAN interface mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>secondary_vlans</i>	Secondary VLAN IDs of the private VLAN interface mapping

Command Mode

- /exec/configure/if-vlan

private-vlan synchronize

private-vlan synchronize

Syntax Description

private-vlan	Set private-vlan synchronization
synchronize	Synchronize vlans

Command Mode

- /exec/configure/spanning-tree/mst/configuration

probe

```
[no] probe { icmp | <l4-proto> <port-num> [ control <status> ] | http { get [ <url-name> ] [ version <http-version> ] } | dns host <host-name> | ctp } [ frequency <freq-num> | timeout <timeout> | retry-down-count <down-count> | retry-up-count <up-count> | source-interface <src-intf> | reverse <rev-src-intf> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
icmp	icmp probe
<i>l4-proto</i>	tcp/udp probes
<i>port-num</i>	Port number
control	(Optional) Control protocol
<i>status</i>	(Optional) Control protocol status
http	http-get probe
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
version	(Optional) HTTP version
<i>http-version</i>	(Optional) Supported HTTP versions are '1.0' and '1.1', default being '1.0'
dns	dns probe
host	DNS host
<i>host-name</i>	DNS Target IP Address or Hostname
ctp	ctp probe
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>down-count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up

<i>up-count</i>	(Optional) Count
<i>source-interface</i>	(Optional) Source interface for probe
<i>src-intf</i>	(Optional) Source loopback interface
<i>reverse</i>	(Optional) Reverse Source interface for probe
<i>rev-src-intf</i>	(Optional) Reverse source loopback interface

Command Mode

- /exec/configure/epbr-sess/fwd-svc /exec/configure/epbr-sess/reverse-svc

probe

```
[no] probe { icmp | <l4-proto> <port-num> [ control <status> ] | http { get [ <url-name> ] [ version <http-version> ] } | dns host <host-name> | ctp } [ frequency <freq-num> | timeout <timeout> | retry-down-count <down-count> | retry-up-count <up-count> | source-interface <src-intf> | reverse <rev-src-intf> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
icmp	icmp probe
<i>l4-proto</i>	tcp/udp probes
<i>port-num</i>	Port number
control	(Optional) Control protocol
<i>status</i>	(Optional) Control protocol status
http	http-get probe
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
version	(Optional) HTTP version
<i>http-version</i>	(Optional) Supported HTTP versions are '1.0' and '1.1', default being '1.0'
dns	dns probe
host	DNS host
<i>host-name</i>	DNS Target IP Address or Hostname
ctp	ctp probe
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>down-count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up

<i>up-count</i>	(Optional) Count
<i>source-interface</i>	(Optional) Source interface for probe
<i>src-intf</i>	(Optional) Source loopback interface
<i>reverse</i>	(Optional) Reverse Source interface for probe
<i>rev-src-intf</i>	(Optional) Reverse source loopback interface

Command Mode

- /exec/configure/epbr/svc /exec/configure/epbr/fwd-svc /exec/configure/epbr/reverse-svc

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-icmp</i>	Service mode
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-icmp</i>	Service mode
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-icmp</i>	Service mode
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe get

[no] probe <probe-id-http> get [<url-name> | cache | frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-http</i>	Service mode
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
cache	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe get

[no] probe <probe-id-http> get [<url-name> | cache | frequency <freq-num> | timeout <timeout> |
 retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-http</i>	Service mode
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
cache	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe get

[no] probe <probe-id-http> get [<url-name> | cache | frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-http</i>	Service mode
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
cache	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-dns</i>	Service mode
host	Host name/Target address
<i>host-name</i>	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-dns</i>	Service mode
host	Host name/Target address
<i>host-name</i>	DNS Target IP Address or Hostname
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-dns</i>	Service mode
host	Host name/Target address
<i>host-name</i>	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id</i>	Service mode
port	Port
<i>port-num</i>	Port number
control	(Optional) control protocol
<i>status</i>	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id</i>	Service mode
port	Port
<i>port-num</i>	Port number
control	(Optional) control protocol
<i>status</i>	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id</i>	Service mode
port	Port
<i>port-num</i>	Port number
control	(Optional) control protocol
<i>status</i>	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/epbr /exec/configure/epbr/fwd-svc /exec/configure/epbr/reverse-svc

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/epbr-sess/fwd-svc /exec/configure/epbr-sess/reverse-svc

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/itd-session-dg-node

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/itd-dg-node

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/itd-dg-node-standby

profile

[no] profile <profile-name>

Syntax Description

no	(Optional) Negate the command
profile	Packet Drop Profile
<i>profile-name</i>	Profile name

Command Mode

- /exec/configure/pkt-drop

profile

{ profile <pid> | no profile }

Syntax Description

no	Negate a command or set its defaults
profile	NGOAM profile to use
<i>pid</i>	NGOAM profile id

Command Mode

- /exec/configure/configngoamconnectcheck

profile

[no] profile <profilename>

Syntax Description

profile	Specify the profile to be applied
<i>profilename</i>	profile name to be applied

Command Mode

- /exec/configure/analytics/system

profile

[no] profile <profilename>

Syntax Description

profile	Specify the profile to be applied
<i>profilename</i>	profile name to be applied

Command Mode

- /exec/configure/nfm-system

protected

[no] { protected | unprotected }

Syntax Description

no	(Optional) Negate a command or set its defaults
protected	Candidate path-option protected
unprotected	Candidate path-option unprotected

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/sgmnt

protected

[no] { protected | unprotected }

Syntax Description

no	(Optional) Negate a command or set its defaults
protected	Candidate path-option protected
unprotected	Candidate path-option unprotected

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/sgmnt

proto

{ proto <proto-id> }

Syntax Description

proto	Protocol
<i>proto-id</i>	IANA Protocol id

Command Mode

- /exec/configure/configngoamccpayload

protocol

{ protocol <num> } | { no protocol }

Syntax Description

no	Negate a command or set its defaults
protocol	specify flow protocol number
<i>num</i>	flow protocol number

Command Mode

- /exec/configure/configngoamprofileflow

protocol

[no] protocol <proto> [prefix-list <pflist-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>proto</i>	
<i>pflist-name</i>	(Optional) Name of the prefix-list to be matched

Command Mode

- /exec/configure/config-snoop-policy

proxy

[no] proxy <proxy-server> [port <proxy-port>] [username <proxy-username>

Syntax Description

no	(Optional) Negate a command or set its defaults
proxy	Set proxy server, ipv4/ipv6/hostname
port	(Optional) Set proxy server port
username	(Optional) Set proxy authentication username
<i>proxy-server</i>	IPv4 or IPv6 address or DNS name of proxy server
<i>proxy-port</i>	(Optional) Proxy port number
<i>proxy-username</i>	(Optional) Proxy username

Command Mode

- /exec/configure/telemetry/destination-group/host

ptp

[no] ptp

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp acl-redirect

[no] ptp acl-redirect

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
acl-redirect	ACL based ptp forwarding

Command Mode

- /exec/configure

ptp announce interval

```
[no] ptp announce interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds>
}
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
interval	interval
<i>log-seconds</i>	log seconds
smpte-2059-2	SMPTE-2059-2
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
aes67	AES67-2015
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp announce interval

```
[no] ptp announce interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds>
}
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
interval	interval
<i>log-seconds</i>	log seconds
smpte-2059-2	SMPTE-2059-2
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
aes67	AES67-2015
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp announce timeout

[no] ptp announce timeout { <val> | smpte-2059-2 <smpte-val> | aes67 <aes-val> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
timeout	timeout
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>val</i>	
<i>smpte-val</i>	SMPTE-2059-2 <i>val</i>
<i>aes-val</i>	AES67-2015 <i>val</i>

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp asymmetric-delay forward

[no] ptp asymmetric-delay { forward-path | reverse-path } <delay-value> | no ptp asymmetric-delay

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
asymmetric-delay	configurtion to compensate asymmetric delay
forward-path	asymmetric delay direction from master to slave
reverse-path	asymmetric delay direction from slave to master
<i>delay-value</i>	compensation time for asymmetric delay [1 - 512000000 ns]

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp clock-identity

ptp clock-identity <mac-address> | no ptp clock-identity

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock-identity	clock-identity
<i>mac-address</i>	Mac Address

Command Mode

- /exec/configure

ptp clock-sync auto

[no] ptp clock-sync auto

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock-sync	clock-sync
auto	auto adjust frequency

Command Mode

- /exec/configure

ptp clock periodic-update

[no] ptp clock periodic-update [interval <val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Enable updating system time to 1588 time.
periodic-update	Enable clock update periodically.
interval	(Optional) interval
val	(Optional) system time update frequency in seconds.

Command Mode

- /exec/configure

ptp convergence-time

[no] ptp convergence-time [<val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
convergence-time	Convergence time for Grandmaster capable node
<i>val</i>	(Optional) convergence-time

Command Mode

- /exec/configure

ptp correction-range

[no] ptp correction-range <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
correction-range	set correction range threshold value
<i>threshold-value</i>	correction threshold (ns) [-value, +value], default 100000 (100 us)

Command Mode

- /exec/configure

ptp correction-range logging

[no] ptp correction-range logging

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
correction-range	set correction range threshold value
logging	enable logging for corrections exceeding threshold value

Command Mode

- /exec/configure

ptp correction hardware

[no] ptp correction hardware

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
correction	Corrections for PTP
hardware	Frequency correction from hardware or software

Command Mode

- /exec/configure

ptp cost

[no] ptp cost <cost>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
cost	Cost associated with the interface
<i>cost</i>	Cost

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp delay-request minimum interval

[no] ptp delay-request minimum interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay-request	delay-request
minimum	minimum
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp delay-request minimum interval

[no] ptp delay-request minimum interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay-request	delay-request
minimum	minimum
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp delay tolerance reverse

[no] ptp delay tolerance { reverse-path | mean-path } <threshold-value> | no ptp delay tolerance { reverse-path | mean-path }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay	delay mean-path/reverse path variation
tolerance	Tolerance for variation
reverse-path	Tolerance for reverse-path-delay variation
mean-path	Tolerance for mean-path-delay variation
<i>threshold-value</i>	Threshold percentage value [1.0 - 100.0]

Command Mode

- /exec/configure

ptp destination-mac forwardable rx-no-match

[no] ptp destination-mac { forwardable | non-forwardable } rx-no-match { accept | drop | follow-rx }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
destination-mac	PTP packets destination MAC
forwardable	Forwardable MAC
non-forwardable	Non-forwardable MAC
rx-no-match	RX packet not matching dest MAC configuration
accept	Accept packet and respond based on configuration
drop	Drop packet and do not respond
follow-rx	Accept packet and respond based on received packet

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp device-type

[no] ptp device-type { boundary-clock | generalized-ptp | ordinary-clock-grandmaster }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
device-type	ptp device-type
boundary-clock	boundary-clock
generalized-ptp	Generalized PTP
ordinary-clock-grandmaster	Ordinary clock Grandmaster

Command Mode

- /exec/configure

ptp domain

[no] ptp domain <domain-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp domain to be associated with interface
<i>domain-val</i>	Enter configured domain value, default 0

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp domain

[no] ptp domain <domain-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Enter domain value

Command Mode

- /exec/configure

ptp domain clock-accuracy-threshold

[no] ptp domain <domain-val> clock-accuracy-threshold <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Domain value, default is 0
clock-accuracy-threshold	Domain clock accuracy threshold
<i>threshold-value</i>	Domain clock accuracy threshold value, default is 254

Command Mode

- /exec/configure

ptp domain clock-class-threshold

[no] ptp domain <domain-val> clock-class-threshold <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Domain value, default is 0
clock-class-threshold	Domain clock class threshold
<i>threshold-value</i>	Domain clock class threshold value, default is 248

Command Mode

- /exec/configure

ptp domain priority

[no] ptp domain <domain-val> priority <priority-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Domain value, default is 0
priority	Domain priority
<i>priority-val</i>	Domain priority value, default is 255

Command Mode

- /exec/configure

ptp enhanced-client-scale

[no] ptp enhanced-client-scale

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
enhanced-client-scale	Enable scaling of PTP multicast clients

Command Mode

- /exec/configure

ptp forward-version1

[no] ptp forward-version1

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
forward-version1	Forward PTPv1 packets

Command Mode

- /exec/configure

ptp grandmaster-capable

ptp grandmaster-capable | no ptp grandmaster-capable [convergence-time <val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
grandmaster-capable	Grandmaster capability
convergence-time	(Optional) Convergence time in seconds
<i>val</i>	(Optional) convergence

Command Mode

- /exec/configure

ptp ipv6 multicast scope rx ptp ipv6 multicast scope rx

ptp ipv6 multicast scope rx <r0> | [no] ptp ipv6 multicast scope rx

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
ipv6	Set PTP over IPv6 options
multicast	Set PTP over IPv6 multicast options
scope	Set IPv6 multicast address scope per IETF RFC 4291
rx	Set acceptable destination IP scope(s) for receive
<i>r0</i>	Enter scope(FF0'X'::)

Command Mode

- /exec/configure

ptp ipv6 multicast scope rx ptp ipv6 multicast scope rx

ptp ipv6 multicast scope rx <r0> | [no] ptp ipv6 multicast scope rx

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
ipv6	Set PTP over IPv6 options
multicast	Set PTP over IPv6 multicast options
scope	Set IPv6 multicast address scope per IETF RFC 4291
rx	Set acceptable destination IP scope(s) for receive
r0	Enter scope(FF0'X'::)

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp ipv6 multicast scope tx ptp ipv6 multicast scope tx

ptp ipv6 multicast scope tx <t0> | [no] ptp ipv6 multicast scope tx

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
ipv6	Set PTP over IPv6 options
multicast	Set PTP over IPv6 multicast options
scope	Set IPv6 multicast address scope per IETF RFC 4291
tx	Set destination IP scope for transmit
t0	Enter scope(FF0'X'::)

Command Mode

- /exec/configure

ptp ipv6 multicast scope tx ptp ipv6 multicast scope tx

ptp ipv6 multicast scope tx <t0> | [no] ptp ipv6 multicast scope tx

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
ipv6	Set PTP over IPv6 options
multicast	Set PTP over IPv6 multicast options
scope	Set IPv6 multicast address scope per IETF RFC 4291
tx	Set destination IP scope for transmit
t0	Enter scope(FF0'X'::)

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp management

[no] ptp management

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
management	Management packet support

Command Mode

- /exec/configure

ptp master

[no] ptp master { <ipv4> | <ipv6> } [negotiation-schema <name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
master	master
<i>ipv4</i>	IPv4 address of master
negotiation-schema	(Optional) PTP unicast-negotiation schema
<i>name</i>	(Optional) Name of schema

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp mean-path-delay

[no] ptp mean-path-delay <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
mean-path-delay	set mean-path-delay threshold value
<i>threshold-value</i>	mean-path-delay threshold (ns), default 1000000000 (1 sec)

Command Mode

- /exec/configure

ptp multi-domain

ptp multi-domain | no ptp multi-domain

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
multi-domain	Configure ptp multi-domain

Command Mode

- /exec/configure

ptp multi-domain transition-attributes priority1

[no] ptp multi-domain transition-attributes priority1 <priority1-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
multi-domain	Configure ptp multi-domain
transition-attributes	ptp multi-domain priority domain conversion attributes
priority1	domain conversion priority1 value
<i>priority1-value</i>	Enter domain priority1 value, default 255

Command Mode

- /exec/configure

ptp multi-domain transition-attributes priority2

[no] ptp multi-domain transition-attributes priority2 <priority2-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
multi-domain	Configure ptp multi-domain
transition-attributes	ptp multi-domain priority domain conversion attributes
priority2	domain conversion priority2 value
<i>priority2-value</i>	Enter domain priority2 value, default 255

Command Mode

- /exec/configure

ptp neighbor propagation-delay-threshold

[no] ptp neighbor propagation-delay-threshold <nseconds>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
neighbor	ptp neighbor
propagation-delay-threshold	GPTP propagation delay threshold
<i>nseconds</i>	Interval in nano-seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp notification type gm-change

[no] ptp notification type gm-change

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
gm-change	Notification for changes in PTP Grand-master

Command Mode

- /exec/configure

ptp notification type high-correction

```
[no] ptp notification type high-correction [ interval { immediate | { <value> [ periodic-notification { enable | disable } ] } ] ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
high-correction	Corrections which is crossing the threshold value.
interval	(Optional) Wait time between two successive notifications.
immediate	(Optional) Notification will be sent immediately after the event
<i>value</i>	(Optional) Duration value granularity is in seconds.
periodic-notification	(Optional) Define how notification will be sent.
enable	(Optional) Always send notification with configured <duration> period.
disable	(Optional) Notification will be sent only when any event occurrence.

Command Mode

- /exec/configure

ptp notification type parent-change

[no] ptp notification type parent-change

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
parent-change	Notification for changes in PTP parent

Command Mode

- /exec/configure

ptp notification type port-state-change

```
[no] ptp notification type port-state-change [ category { all | master-slave-only } ] [ interval { immediate |
<intv-val> [ periodic-notification { enable | disable } ] ] ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
port-state-change	Notification for changes in PTP port state
category	(Optional) Define categories that need to be notified
all	(Optional) All PTP port state changes
master-slave-only	(Optional) Notify PTP port state changes to Master/Slave only
interval	(Optional) Interval between two successive notifications
immediate	(Optional) Notification will be sent immediately after the event
<i>intv-val</i>	(Optional) Interval value in seconds
periodic-notification	(Optional) Define how notification will be sent
enable	(Optional) Always send notification with configured interval period
disable	(Optional) Notification will be sent only if some event occurred during the interval

Command Mode

- /exec/configure

ptp offload

[no] ptp offload

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
offload	Allows increasing number of PTP sessions per system by offloading some timers to linecard

Command Mode

- /exec/configure

ptp pdelay-req-interval

[no] ptp pdelay-req-interval <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
pdelay-req-interval	Log mean peer delay request interval
<i>val</i>	value

Command Mode

- /exec/configure

ptp peer

[no] ptp peer { <ipv4> | <ipv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
peer	peer
<i>ipv4</i>	IPv4 address of peer

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp priority1

[no] ptp priority1 <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority1	priority1
<i>val</i>	priority1

Command Mode

- /exec/configure

ptp priority2

[no] ptp priority2 <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority2	Priority2
<i>val</i>	priority2

Command Mode

- /exec/configure

ptp profile-override

[no] ptp profile-override

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
profile-override	Allow override of some PTP profile parameters on interface

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp profile

[no] ptp profile { default | 8275-1 | 8275-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
profile	PTP profile
default	default profile
8275-1	PTP telecom profile matching 8275.1
8275-2	PTP telecom profile matching 8275.2

Command Mode

- /exec/configure

ptp role

[no] ptp role { dynamic | master | slave }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
role	role
dynamic	dynamic (bmca-assigned)
master	master-only
slave	slave-only

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp scale-on-1G

[no] ptp scale-on-1G

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
scale-on-1G	Enables timestamping on asic for 1G ports

Command Mode

- /exec/configure

ptp slave

[no] ptp slave { <ipv4> | <ipv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
slave	slave
<i>ipv4</i>	IPv4 address of slave

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp source

```
[no] ptp source <src-ip> [ vrf { <vrf-name> | <vrf-cfg-name> } ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
source	source IP address
<i>src-ip</i>	IPv4 address (A.B.C.D) of source
vrf	(Optional) vrf to be used for ptp messages
<i>vrf-name</i>	(Optional) vrf to be used for ptp messages
<i>vrf-cfg-name</i>	(Optional) Configurable VRF name

Command Mode

- /exec/configure

ptp source

```
[no] ptp source <src-ipv6> [ vrf { <vrf-name> | <vrf-cfg-name> } ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
source	source IP address
vrf	(Optional) vrf to be used for ptp messages
<i>vrf-name</i>	(Optional) vrf to be used for ptp messages
<i>vrf-cfg-name</i>	(Optional) Configurable VRF name

Command Mode

- /exec/configure

ptp sync interval

[no] ptp sync interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
sync	sync
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-205902 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp sync interval

[no] ptp sync interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
sync	sync
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp time distribution-hold

[no] ptp time distribution-hold [correction-threshold <corr_limit>] [delay-threshold <max_delay_time>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
time	PTP time of day
distribution-hold	Hold the time distribution
correction-threshold	(Optional) Hold the time distribution till the correction settles down to a specified threshold
<i>corr_limit</i>	(Optional) Absolute Correction threshold value in nanoseconds
delay-threshold	(Optional) Set the maximum time limit for to hold the time-distribution
<i>max_delay_time</i>	(Optional) Max delay time in seconds

Command Mode

- /exec/configure

ptp transmission multicast

[no] ptp transmission { multicast | unicast [negotiation-schema <name>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
transmission	unicast/multicast transmission
multicast	multicast
unicast	unicast
negotiation-schema	(Optional) PTP unicast-negotiation schema
<i>name</i>	(Optional) Name of schema

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp transport

[no] ptp transport { ipv4 | ipv6 | ethernet }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
transport	transport
ipv4	ipv4
ipv6	ipv6
ethernet	ethernet

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp ucast-source

```
[no] ptp ucast-source { <src-ip> | <src-ipv6> } [ vrf { <vrf-name> | <vrf-cfg-name> } ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
ucast-source	source IP address for ucast messages
<i>src-ip</i>	IPv4 address (A.B.C.D) of source
vrf	(Optional) vrf to be used for ptp messages
<i>vrf-name</i>	(Optional) vrf to be used for ptp messages
<i>vrf-cfg-name</i>	(Optional) Configurable VRF name

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp unicast-negotiation

[no] ptp unicast-negotiation

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
unicast-negotiation	PTP unicast-negotiation

Command Mode

- /exec/configure

ptp utc-offset

[no] ptp utc-offset <s1> [next-leapevent <d1> <t1> new-offset <s2>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
utc-offset	UTC offset to be added to GM clock
<i>s1</i>	Enter leap seconds
next-leapevent	(Optional) Time for next leap event
<i>d1</i>	(Optional) YYYY-MM-DD Date (Year 2022-2099)
<i>t1</i>	(Optional) HH:MM:SS Time
new-offset	(Optional) UTC offset to be added to GM clock after next leap event
<i>s2</i>	(Optional) Enter leap seconds

Command Mode

- /exec/configure

ptp vlan

[no] ptp vlan <vlan>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
vlan	vlan
<i>vlan</i>	vlan

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

purge fcdomain fcid vsan

purge fcdomain fcid vsan <i0>

Syntax Description

purge	Deletes unused data
fcdomain	Purge persistent FCIDs
fcid	Purge persistent FCIDs
vsan	Specify the vsan range
<i>i0</i>	VSAN id range

Command Mode

- /exec

purge module running-config

purge module <module> running-config

Syntax Description

purge	Deletes unused data
module	Purge configuration for non-existent modules
<i>module</i>	Enter module number
running-config	purge running configuration for non-existent modules

Command Mode

- /exec

push

push [<name>]

Syntax Description

push	push current mode to stack or save it under name
<i>name</i>	(Optional) name

Command Mode

- /global

pwd

pwd

Syntax Description

pwd	View current directory
-----	------------------------

Command Mode

- /exec

pwwn vsan

[no] pwwn <wwn0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
pwwn	Device PWWN
<i>wwn0</i>	PWWN of the Device
vsan	VSAN id for device
<i>i1</i>	vsan id

Command Mode

- /exec/configure/dpvm-db

python

python [<uri> [<pyargs>] +]

Syntax Description

python	run a python command/script, or enter python mode (if no arg)
<i>uri</i>	(Optional) path to a python file
<i>pyargs</i>	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec

python3

python3 [<uri> [<pyargs>] +]

Syntax Description

python3	run a python3 command/script, or enter python mode (if no arg)
<i>uri</i>	(Optional) path to a python file
<i>pyargs</i>	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec

python instance

[no] python instance <inst> [<uri> [<pyargs>] +] | python instance <inst> <uri> [<pyargs>] +

Syntax Description

no	Negate a command or set its defaults
python	run a python command/script, or enter python mode (if no arg)
instance	label with an instance number
<i>inst</i>	instance number
<i>uri</i>	(Optional) path to a python file
<i>pyargs</i>	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec/configure



Q Commands

- [qos-mode pipe](#), on page 3952
- [qos copy policy-map type network-qos prefix](#), on page 3953
- [qos copy policy-map type queuing prefix](#), on page 3954
- [qos priority](#), on page 3955
- [qos priority](#), on page 3956
- [qos qos-policies statistics](#), on page 3957
- [qos shared-policer](#), on page 3958
- [qos statistics](#), on page 3962
- [qualify udf](#), on page 3963
- [quality receive](#), on page 3964
- [quality receive](#), on page 3965
- [quality receive](#), on page 3967
- [quality receive](#), on page 3968
- [quality receive](#), on page 3970
- [quality receive](#), on page 3971
- [quality transmit](#), on page 3973
- [quality transmit](#), on page 3975
- [quality transmit](#), on page 3976
- [quality transmit](#), on page 3978
- [quality transmit](#), on page 3979
- [quality transmit](#), on page 3981
- [queue-limit](#), on page 3982
- [queue-limit2](#), on page 3983
- [queue-limit3](#), on page 3984
- [queue-limit4](#), on page 3985
- [queue-limit5](#), on page 3986
- [queue-limit bytes](#), on page 3987
- [queue-limit retransmit](#), on page 3988
- [queue-limit retransmit](#), on page 3989
- [queue](#), on page 3990
- [queue interface latency-threshold](#), on page 3991

qos-mode pipe

[no] qos-mode pipe

Syntax Description

no	(Optional) Negate a command or set its defaults
qos-mode	qos-mode
pipe	pipe mode

Command Mode

- /exec/configure/if-nve

qos copy policy-map type network-qos prefix

qos copy policy-map type network-qos <pmap-nq-enum-name-dc3> { prefix | suffix } <ix-name>

Syntax Description

copy	Copy (Clone) template
policy-map	Configure a policy map
type	Specify the type of this policy-map
network-qos	Network QoS policy
<i>pmap-nq-enum-name-dc3</i>	
prefix	Policy map name prefix
suffix	Policy map name suffix
<i>ix-name</i>	Suffix/Prefix name, max size counted together with policy name

Command Mode

- /exec

qos copy policy-map type queuing prefix

qos copy policy-map type queuing <pmap-name-que-temp> { prefix | suffix } <ix-name>

Syntax Description

copy	Copy (Clone) template
policy-map	Configure a policy map
type	Specify the type of this policy-map
queuing	Queuing policy
<i>pmap-name-que-temp</i>	Policy-map name
prefix	Policy map name prefix
suffix	Policy map name suffix
<i>ix-name</i>	Suffix/Prefix name, max size counted together with policy name

Command Mode

- /exec

qos priority

[no] qos priority { high | low | medium }

Syntax Description

no	(Optional) Negate a command or set its defaults
qos	Set qos for default-zone
priority	Priority to be used for frames matching default-zone
high	Frames matching default-zone get high priority
low	Frames matching default-zone get low priority
medium	Frames matching default-zone get medium priority

Command Mode

- /exec/configure/default-zone/attribute-group

qos priority

[no] qos priority { high | low | medium }

Syntax Description

no	(Optional) Negate a command or set its defaults
qos	Set the qos for zone
priority	Priority to be used for frames matching zone
high	Frames matching zone get high priority
low	Frames matching zone get low priority
medium	Frames matching zone get medium priority

Command Mode

- /exec/configure/attribute-group

qos qos-policies statistics

[no] qos qos-policies statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
qos-policies	All qos type policies
statistics	statistics

Command Mode

- /exec/configure

qos shared-policer

```
{ qos shared-policer [ type qos ] <policer-name> { [ cir ] { <cir-val> [ bps | kbps | mbps | gbps | pps ] | percent
<cir-perc> } [ [ bc ] { <committed-burst> [ bytes | kbytes | mbytes | ms | us | packets ] } ] [ pir { <pir-val> [
bps2 | kbps2 | mbps2 | gbps2 | pps2 ] | percent <pir-perc> } [ [ be ] { <extended-burst> [ bytes2 | kbytes2 |
mbytes2 | ms2 | us2 | packets2 ] } ] ] [ conform { transmit | set-prec-transmit { <prec-val> | <prec-enum> } |
set-dscp-transmit { <dscp-val> | <dscp-enum> } | set-cos-transmit <cos-val> | set-discard-class-transmit
<disc-class-val> | set-qos-transmit <qos-grp-val> | set-mpls-exp-imposition-transmit <exp-value-imp> |
set-mpls-exp-topmost-transmit <exp-value-top> } ] [ exceed { transmit1 | drop1 | set <exc-frm-field>
<exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1> | <prec-enum1> } | set-dscp-transmit1 {
<dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> | set-discard-class-transmit1 <disc-class-val1>
| set-qos-transmit1 <qos-grp-val1> | set-mpls-exp-imposition-transmit1 <exp-value-imp1> |
set-mpls-exp-topmost-transmit1 <exp-value-top1> } ] [ violate { drop2 | set <vio-frm-field> <vio-to-field>
table2 pir-markdown-map | set-prec-transmit2 { <prec-val2> | <prec-enum2> } | set-dscp-transmit2 {
<dscp-val2> | <dscp-enum2> } | set-cos-transmit2 <cos-val2> | set-discard-class-transmit2 <disc-class-val2>
| set-qos-transmit2 <qos-grp-val2> | set-mpls-exp-imposition-transmit2 <exp-value-imp2> |
set-mpls-exp-topmost-transmit2 <exp-value-top2> } ] } | no qos shared-policer [ type qos ] <policer-name>
}
```

Syntax Description

no	Negate a command or set its defaults
shared-policer	Shared policer
<i>policer-name</i>	Shared policer name
type	(Optional) Specify the type of shared-policer
qos	QoS Global Commands
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
<i>cir-perc</i>	Percentage
<i>pir-perc</i>	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
pps	(Optional) Packets per second

bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second
gbps2	(Optional) Giga Bits per second
pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
packets	(Optional) Packets
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
transmit1	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
<i>prec-val</i>	(Optional) Precedence value
<i>prec-val1</i>	(Optional) Precedence value

<i>prec-val2</i>	(Optional) Precedence value
<i>prec-enum</i>	(Optional)
<i>prec-enum1</i>	(Optional)
<i>prec-enum2</i>	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it
set-dscp-transmit2	(Optional) Set dscp and send it
<i>dscp-val</i>	(Optional) DSCP value
<i>dscp-val1</i>	(Optional) DSCP value
<i>dscp-val2</i>	(Optional) DSCP value
<i>dscp-enum</i>	(Optional)
<i>dscp-enum1</i>	(Optional)
<i>dscp-enum2</i>	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
<i>cos-val</i>	(Optional) new cos value
<i>cos-val1</i>	(Optional) new cos value
<i>cos-val2</i>	(Optional) new cos value
set-discard-class-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>disc-class-val</i>	(Optional) new discard-class value
<i>disc-class-val1</i>	(Optional) new discard-class value
<i>disc-class-val2</i>	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
<i>qos-grp-val</i>	(Optional) QoS group value

<i>qos-grp-val1</i>	(Optional) QoS group value
<i>qos-grp-val2</i>	(Optional) QoS group value
set-mpls-exp-imposition-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-imp</i>	(Optional) MPLS imposition value
<i>exp-value-imp1</i>	(Optional) MPLS imposition value
<i>exp-value-imp2</i>	(Optional) MPLS imposition value
set-mpls-exp-topmost-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-top</i>	(Optional) MPLS topmost value
<i>exp-value-top1</i>	(Optional) MPLS topmost value
<i>exp-value-top2</i>	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exc-frm-field</i>	(Optional)
<i>exc-to-field</i>	(Optional)
<i>vio-frm-field</i>	(Optional)
<i>vio-to-field</i>	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action

Command Mode

- /exec/configure

qos statistics

[no] qos statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
statistics	statistics

Command Mode

- /exec/configure

qualify udf

[no] <udf_tcam_type> qualify udf { <udf_name> } +

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>udf_tcam_type</i>	Region type
qualify	Configure UDFs to be qualified for span region
udf	Configure UDF names
<i>udf_name</i>	UDF name

Command Mode

- /exec/configure/tcam-templ

quality receive

[no] quality receive

Syntax Description

no	Negate a command or set its defaults
quality	Quality level configuration
receive	Adjust the received quality level

Command Mode

- /exec/configure/gnss-if/fsync

quality receive

```
quality receive { { exact itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2> } } } | { lowest
itu-t option { 1 <ql_o1> highest <ql_o1> | 2 generation { 1 <ql_o2_g1> highest <ql_o2_g1> | 2 <ql_o2_g2>
highest <ql_o2_g2> } } } | { highest itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2>
} } } }
```

Syntax Description

quality	Quality level configuration
receive	Adjust the received quality level
exact	Specifies the exact QL to send
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
lowest	Specifies a lower limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1

<i>ql_o2_g1</i>	QL option 2 generation 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2

Command Mode

- /exec/configure/if-eth-base/fsync

quality receive

[no] quality receive

Syntax Description

no	Negate a command or set its defaults
quality	Quality level configuration
receive	Adjust the received quality level

Command Mode

- /exec/configure/if-eth-base/fsync

quality receive

```
quality receive { { exact itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2> } } } | { lowest
itu-t option { 1 <ql_o1> highest <ql_o1> | 2 generation { 1 <ql_o2_g1> highest <ql_o2_g1> | 2 <ql_o2_g2>
highest <ql_o2_g2> } } } | { highest itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2>
} } } }
```

Syntax Description

quality	Quality level configuration
receive	Adjust the received quality level
exact	Specifies the exact QL to send
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
lowest	Specifies a lower limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1

<i>ql_o2_g1</i>	QL option 2 generation 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2

Command Mode

- /exec/configure/clock-if/fsync

quality receive

[no] quality receive

Syntax Description

no	Negate a command or set its defaults
quality	Quality level configuration
receive	Adjust the received quality level

Command Mode

- /exec/configure/clock-if/fsync

quality receive

```
quality receive { { exact itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2> } } } | { lowest
itu-t option { 1 <ql_o1> highest <ql_o1> | 2 generation { 1 <ql_o2_g1> highest <ql_o2_g1> | 2 <ql_o2_g2>
highest <ql_o2_g2> } } } | { highest itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2>
} } } }
```

Syntax Description

quality	Quality level configuration
receive	Adjust the received quality level
exact	Specifies the exact QL to send
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
lowest	Specifies a lower limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1

<i>ql_o2_g1</i>	QL option 2 generation 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2

Command Mode

- /exec/configure/gnss-if/fsync

quality transmit

```
quality transmit { { exact itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2> } } } | {
lowest itu-t option { 1 <ql_o1> highest <ql_o1> | 2 generation { 1 <ql_o2_g1> highest <ql_o2_g1> | 2
<ql_o2_g2> highest <ql_o2_g2> } } } | { highest itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2
<ql_o2_g2> } } } }
```

Syntax Description

quality	Quality level configuration
transmit	Set the quality level to be transmitted
exact	Specifies the exact QL to send
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
lowest	Specifies a lower limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1

<i>ql_o2_g1</i>	QL option 2 generation 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2

Command Mode

- /exec/configure/if-eth-base/fsync

quality transmit

[no] quality transmit

Syntax Description

no	Negate a command or set its defaults
quality	Quality level configuration
transmit	Set the quality level to be transmitted

Command Mode

- /exec/configure/if-eth-base/fsync

quality transmit

```
quality transmit { { exact itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2> } } } | {
lowest itu-t option { 1 <ql_o1> highest <ql_o1> | 2 generation { 1 <ql_o2_g1> highest <ql_o2_g1> | 2
<ql_o2_g2> highest <ql_o2_g2> } } } | { highest itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2
<ql_o2_g2> } } } }
```

Syntax Description

quality	Quality level configuration
transmit	Set the quality level to be transmitted
exact	Specifies the exact QL to send
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
lowest	Specifies a lower limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1

<i>ql_o2_g1</i>	QL option 2 generation 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2

Command Mode

- /exec/configure/clock-if/fsync

quality transmit

[no] quality transmit

Syntax Description

no	Negate a command or set its defaults
quality	Quality level configuration
transmit	Set the quality level to be transmitted

Command Mode

- /exec/configure/clock-if/fsync

quality transmit

```
quality transmit { { exact itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2 <ql_o2_g2> } } } | {
lowest itu-t option { 1 <ql_o1> highest <ql_o1> | 2 generation { 1 <ql_o2_g1> highest <ql_o2_g1> | 2
<ql_o2_g2> highest <ql_o2_g2> } } } | { highest itu-t option { 1 <ql_o1> | 2 generation { 1 <ql_o2_g1> | 2
<ql_o2_g2> } } } }
```

Syntax Description

quality	Quality level configuration
transmit	Set the quality level to be transmitted
exact	Specifies the exact QL to send
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
lowest	Specifies a lower limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1

<i>ql_o2_g1</i>	QL option 2 generation 1
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
<i>ql_o2_g2</i>	QL option 2 generation 2
highest	Specifies an upper limit on the QL to be sent
itu-t	ITU-T options
option	ITU-T options
1	ITU-T QL option 1
<i>ql_o1</i>	QL option 1
2	ITU-T QL option 2
generation	ITU-T QL option 2 generation
1	ITU-T QL option 2 generation 1
<i>ql_o2_g1</i>	QL option 2 generation 1
2	ITU-T QL option 2 generation 2
<i>ql_o2_g2</i>	QL option 2 generation 2

Command Mode

- /exec/configure/gnss-if/fsync

quality transmit

[no] quality transmit

Syntax Description

no	Negate a command or set its defaults
quality	Quality level configuration
transmit	Set the quality level to be transmitted

Command Mode

- /exec/configure/gnss-if/fsync

queue-limit

```
[no] queue-limit [ cos <cos-val> ] { <q-size> [ packets | bytes | kbytes | mbytes | ms | us ] | percent <perc-q-size>
| dynamic <alpha> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
queue-limit	Configure queue size for the class
cos	(Optional) IEEE 802.1Q Class of Service
<i>cos-val</i>	(Optional) 802.1Q Class of Service value
percent	Specify queue size in Percentage
<i>perc-q-size</i>	Queue size in percentage of total tx/rx buffer size
dynamic	Queue size in dynamic alpha factor
<i>alpha</i>	0-1/128, 1-1/64, 2-1/32, 3-1/16, 4-1/8, 5-1/4, 6-1/2, 7-1, 8-2, 9-4, 10-8
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

queue-limit2

```
[no] queue-limit2 [ cos2 <cos-val> ] { <q-size> [ packets | bytes | kbytes | mbytes | ms | us ] | percent2
<perc-q-size> | dynamic2 <alpha> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
queue-limit2	Configure queue size for the class
cos2	(Optional) IEEE 802.1Q Class of Service
<i>cos-val</i>	(Optional) 802.1Q Class of Service value
percent2	Specify queue size in Percentage
<i>perc-q-size</i>	Queue size in percentage of total tx/rx buffer size
dynamic2	Queue size in dynamic alpha factor
<i>alpha</i>	0-1/128, 1-1/64, 2-1/32, 3-1/16, 4-1/8, 5-1/4, 6-1/2, 7-1, 8-2, 9-4, 10-8
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

queue-limit3

```
[no] queue-limit3 [ cos3 <cos-val> ] { <q-size> [ packets | bytes | kbytes | mbytes | ms | us ] | percent3
<perc-q-size> | dynamic3 <alpha> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
queue-limit3	Configure queue size for the class
cos3	(Optional) IEEE 802.1Q Class of Service
<i>cos-val</i>	(Optional) 802.1Q Class of Service value
percent3	Specify queue size in Percentage
<i>perc-q-size</i>	Queue size in percentage of total tx/rx buffer size
dynamic3	Queue size in dynamic alpha factor
<i>alpha</i>	0-1/8, 1-1/4, 2-1/2, 3-3/4, 4-9/8, 5-15/8, 6-3, 7-5, 8-8, 9-14, 10-18
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

queue-limit4

```
[no] queue-limit4 [ cos4 <cos-val> ] { <q-size> [ packets | bytes | kbytes | mbytes | ms | us ] | percent4
<perc-q-size> | dynamic4 <alpha> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
queue-limit4	Configure queue size for the class
cos4	(Optional) IEEE 802.1Q Class of Service
<i>cos-val</i>	(Optional) 802.1Q Class of Service value
percent4	Specify queue size in Percentage
<i>perc-q-size</i>	Queue size in percentage of total tx/rx buffer size
dynamic4	Queue size in dynamic alpha factor
<i>alpha</i>	0-3/2, 1-3, 2-6, 3-11, 4-20, 5-33, 6-50, 7-66, 8-80
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

queue-limit5

```
[no] queue-limit5 [ cos5 <cos-val> ] { <q-size> [ packets | bytes | kbytes | mbytes | ms | us ] | percent5
<perc-q-size> | dynamic5 <alpha> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
queue-limit5	Configure queue size for the class
cos5	(Optional) IEEE 802.1Q Class of Service
<i>cos-val</i>	(Optional) 802.1Q Class of Service value
percent5	Specify queue size in Percentage
<i>perc-q-size</i>	Queue size in percentage of total tx/rx buffer size
dynamic5	Queue size in dynamic alpha factor
<i>alpha</i>	1-1/16, 2-1/8, 3-1/4, 4-1/2, 5-1, 6-2, 7-4, 8-8
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

queue-limit bytes

[no] queue-limit { <q-size> bytes }

Syntax Description

no	(Optional) Negate a command or set its defaults
queue-limit	Configure queue size for the class
bytes	Bytes

Command Mode

- /exec/configure/policy-map/type/uf/class

queue-limit retransmit

queue-limit retransmit { <qlimit> | unlimited } | no queue-limit retransmit [<qlimit> | unlimited]

Syntax Description

no	Negate a command or set its defaults
queue-limit	Set maximum queue size
retransmit	Set maximum size of retransmit queue
<i>qlimit</i>	Maximum number of LSPs in retransmit queue
unlimited	Unlimited retransmit queue

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

queue-limit retransmit

queue-limit retransmit { <qlimit> | unlimited } | no queue-limit retransmit [<qlimit> | unlimited]

Syntax Description

no	Negate a command or set its defaults
queue-limit	Set maximum queue size
retransmit	Set maximum size of retransmit queue
<i>qlimit</i>	Maximum number of LSPs in retransmit queue
unlimited	Unlimited retransmit queue

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

queue

[no] queue { <queuenumber> | <queuerange> }

Syntax Description

queue	Specify queue/s to monitor buffer-drop
<i>queuenumber</i>	
<i>queuerange</i>	

Command Mode

- /exec/configure/config-buffer-drop-monitor

queue interface latency-threshold

[no] queue { <queuenumber> | <queuerange> } interface <interface_range> latency-threshold <thresholdname>

Syntax Description

queue	Specify queue/s to monitor buffer-latency
<i>queuenumber</i>	
<i>queuerange</i>	
interface	Configure interfaces
<i>interface_range</i>	
latency-threshold	Specify the latency threshold name
<i>thresholdname</i>	Name for threshold

Command Mode

- /exec/configure/config-buffer-latency-record

queue interface latency-threshold



R Commands

- [radius-server deadtime](#), on page 3998
- [radius-server directed-request](#), on page 3999
- [radius-server host dtls idle](#), on page 4000
- [radius-server host key 0 6 7](#), on page 4001
- [radius-server host test](#), on page 4003
- [radius-server host tls idle](#), on page 4004
- [radius-server key 0 6 7](#), on page 4005
- [radius-server retransmit](#), on page 4006
- [radius-server secure tls](#), on page 4007
- [radius-server test](#), on page 4008
- [radius-server timeout](#), on page 4009
- [random-detect](#), on page 4010
- [random-detect2 minimum-threshold2 maximum-threshold2](#), on page 4012
- [random-detect2 non-ecn minimum-threshold2 maximum-threshold2 drop](#), on page 4013
- [random-detect](#), on page 4014
- [random-detect cos-based](#), on page 4016
- [rate-limit](#), on page 4018
- [rate-limit cpu direction input output both pps action log](#), on page 4019
- [rate-limit cpu direction input output both pps action log](#), on page 4020
- [rd](#), on page 4021
- [rd auto](#), on page 4022
- [rd auto](#), on page 4023
- [rd dual](#), on page 4024
- [read-only](#), on page 4025
- [read-only](#), on page 4026
- [receiver](#), on page 4027
- [receiver](#), on page 4028
- [reconnect-interval](#), on page 4029
- [record](#), on page 4030
- [record](#), on page 4031
- [record](#), on page 4032
- [record](#), on page 4033
- [record](#), on page 4034

- record, on page 4035
- record, on page 4036
- record, on page 4037
- record, on page 4038
- record netflow-original, on page 4039
- record netflow, on page 4040
- record netflow, on page 4041
- record netflow, on page 4042
- record netflow protocol-port, on page 4043
- recv-id, on page 4044
- redistribute filter route-map, on page 4045
- redistribute filter route-map, on page 4046
- redistribute maximum-prefix, on page 4047
- redistribute maximum-prefix, on page 4048
- redistribute maximum-prefix, on page 4049
- redistribute maximum-prefix, on page 4050
- redistribute maximum-prefix, on page 4051
- redistribute route-map, on page 4052
- redundancy-group, on page 4053
- reference-bandwidth, on page 4054
- reference-bandwidth, on page 4055
- reference-bandwidth, on page 4056
- refresh-interval, on page 4057
- region, on page 4058
- register-database-mapping, on page 4059
- register-route-notifications, on page 4060
- reload, on page 4061
- reload cancel, on page 4062
- reload in, on page 4063
- reload module, on page 4064
- reload module force-dnld, on page 4065
- reload non-interruptive, on page 4066
- reload power-cycle, on page 4067
- reload sync-adjacency, on page 4068
- reload timer, on page 4069
- reload vdc, on page 4070
- reload vdc, on page 4071
- remark, on page 4072
- remark, on page 4073
- remark, on page 4074
- remote-span, on page 4075
- remove-private-as, on page 4076
- remove filter, on page 4077
- report, on page 4078
- report, on page 4079
- report, on page 4080

- report, on page 4081
- report, on page 4082
- report, on page 4083
- report, on page 4084
- request-data-size, on page 4085
- request-data-size, on page 4086
- request-data-size, on page 4087
- resequence, on page 4088
- reset, on page 4089
- reset, on page 4090
- reset, on page 4091
- reset, on page 4092
- reset, on page 4093
- reset, on page 4094
- reset, on page 4095
- restart amt, on page 4096
- restart bgp, on page 4097
- restart eigrp, on page 4098
- restart fabricpath domain, on page 4099
- restart igmp, on page 4100
- restart isis, on page 4101
- restart mld, on page 4102
- restart msdp, on page 4103
- restart ngmvpn, on page 4104
- restart ospf, on page 4105
- restart ospfv3, on page 4106
- restart otv-isis, on page 4107
- restart pim, on page 4108
- restart pim6, on page 4109
- restart rip, on page 4110
- resync-database, on page 4111
- retain route-target all, on page 4112
- retain route-target all, on page 4113
- retransmit-interval, on page 4114
- retransmit-interval, on page 4115
- retransmit-interval, on page 4116
- retry-interval, on page 4117
- reverse interface, on page 4118
- reverse interface, on page 4119
- reverse ip, on page 4120
- reverse ip, on page 4121
- revision, on page 4122
- revocation-check, on page 4123
- rewrite-evpn-rt-asn, on page 4124
- rewrite-rt-asn, on page 4125
- rfc1583compatibility, on page 4126

- [rib verification-report](#), on page 4127
- [rip shutdown](#), on page 4128
- [rmdir](#), on page 4129
- [rmon alarm absolute rising-threshold falling-threshold](#), on page 4130
- [rmon event](#), on page 4131
- [rmon hcalarm absolute startupalarm rising-threshold falling-threshold owner](#), on page 4132
- [roaming-eid-prefix](#), on page 4133
- [role feature-group name](#), on page 4134
- [role name](#), on page 4135
- [role priority](#), on page 4136
- [rollback configuration to](#), on page 4137
- [rollback running-config checkpoint](#), on page 4138
- [root-priority](#), on page 4139
- [route-map](#), on page 4140
- [route-map](#), on page 4141
- [route-map](#), on page 4142
- [route-map](#), on page 4143
- [route-map out](#), on page 4144
- [route-map pbr-statistics](#), on page 4145
- [route-reflector-client](#), on page 4146
- [route-reflector-client](#), on page 4147
- [route-target both](#), on page 4148
- [route-target both auto](#), on page 4149
- [route-target both auto](#), on page 4150
- [route-target export](#), on page 4151
- [route-target export](#), on page 4152
- [route-target export auto](#), on page 4153
- [route-target import](#), on page 4154
- [route-target import](#), on page 4155
- [route-target import auto](#), on page 4156
- [route](#), on page 4157
- [router-guard ip multicast](#), on page 4159
- [router-guard ip multicast switchports](#), on page 4160
- [router-guard ipv6 multicast](#), on page 4161
- [router-guard ipv6 multicast switchports](#), on page 4162
- [router-id](#), on page 4163
- [router-id](#), on page 4164
- [router-id](#), on page 4165
- [router-id](#), on page 4166
- [router-id](#), on page 4167
- [router-id](#), on page 4168
- [router-preference maximum](#), on page 4169
- [router bgp](#), on page 4170
- [router eigrp](#), on page 4171
- [router isis](#), on page 4172
- [router ospf](#), on page 4173

- [router ospfv3](#), on page 4174
- [router rip](#), on page 4175
- [routing-context vrf](#), on page 4176
- [rpk cache](#), on page 4177
- [rsa keypair](#), on page 4178
- [rtr etr eid](#), on page 4179
- [rule](#), on page 4180
- [rule command](#), on page 4181
- [rule oid](#), on page 4182
- [run-opts](#), on page 4183
- [run-script](#), on page 4184
- [run2 guestshell](#), on page 4185
- [run bash](#), on page 4186
- [run cid](#), on page 4187

radius-server deadline

[no] radius-server deadline <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
deadline	duration for which non-reachable server is skipped
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure

radius-server directed-request

[no] radius-server directed-request

Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
directed-request	enable direct authentication requests to server

Command Mode

- /exec/configure

radius-server host dtls idle

```
[no] radius-server host { <hostipname> } dtls { { idle-timeout <i9> [ client-trustpoint <t1> ] } | {
client-trustpoint <t1> [ idle-timeout <i9> ] } }
```

Syntax Description

<i>client-trustpoint</i>	(Optional) <t1>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
dtls	DTLS secure connection parameters
idle-timeout	Idle timeout for the DTLS session
<i>i9</i>	Time period in seconds
client-trustpoint	Switch credentials to use for DTLS handshake with server
<i>t1</i>	(Optional) trustpoint label

Command Mode

- /exec/configure

radius-server host key 0 6 7

```
{ { [ no ] radius-server host <hostipname> { { key { 0 <s0> | 6 <s6> | 7 <s1> | <s2> } [ pac ] { [ auth-port <i0> ] [ acct-port <i1> ] } } | { [ auth-port1 <i2> ] [ acct-port1 <i3> ] } } [ { authentication [ accounting ] [ timeout <i4> ] [ retransmit <i5> ] } ] | { [ accounting1 ] [ timeout1 <i4> ] [ retransmit1 <i5> ] } } } | { no radius-server host <hostipname> key } }
```

Syntax Description

<i>key</i>	0
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
key	RADIUS shared secret
pac	(Optional) Secure Radius Enable
0	RADIUS shared secret(clear text)
<i>s0</i>	RADIUS shared secret(clear text)
accounting	(Optional) Use for accounting
retransmit	(Optional) RADIUS server retransmit count
<i>i5</i>	(Optional) RADIUS server retransmit count
timeout	(Optional) RADIUS server timeout period in seconds
<i>i4</i>	(Optional) RADIUS server timeout period in seconds
retransmit1	(Optional) RADIUS server retransmit count
auth-port	(Optional) RADIUS server's port for authentication
<i>i0</i>	(Optional) port number
timeout1	(Optional) RADIUS server timeout period in seconds
acct-port	(Optional) RADIUS server's port for accounting
<i>i1</i>	(Optional) port number
accounting1	(Optional) Use for accounting
authentication	(Optional) Use for authentication
6	Radius shared secret(type-6 encrypted)

<i>s6</i>	Tadius shared secret(encrypted)
7	RADIUS shared secret(encrypted)
<i>s1</i>	RADIUS shared secret(encrypted)
auth-port1	(Optional) RADIUS server's port for authentication
<i>i2</i>	(Optional) port number
<i>s2</i>	RADIUS shared secret(clear text)
acct-port1	(Optional) RADIUS server's port for accounting
<i>i3</i>	(Optional) port number

Command Mode

- /exec/configure

radius-server host test

```
[no] radius-server host { <hostipname> } test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [
idle-time <i1> ] ] [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } } | { idle-time
<i1> } }
```

Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
test	Parameters to send test packets
<i>s0</i>	user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) user password
0	(Optional) RADIUS shared secret(clear text)
<i>s2</i>	(Optional) RADIUS shared secret(clear text)
7	(Optional) RADIUS shared secret(encrypted)
<i>s7</i>	(Optional) RADIUS shared secret(encrypted)
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

radius-server host tls idle

```
[no] radius-server host { <hostipname> } tls { { idle-timeout <i8> [ client-trustpoint <t0> ] } | { client-trustpoint <t0> [ idle-timeout <i8> ] } }
```

Syntax Description

<i>client-trustpoint</i>	(Optional) <t0>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
host	RADIUS server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
tls	TLS secure connection parameters
idle-timeout	Idle timeout for the TLS session
<i>i8</i>	Time period in seconds
client-trustpoint	Switch credentials to use for TLS handshake with server
<i>t0</i>	(Optional) trustpoint label

Command Mode

- /exec/configure

radius-server key 0 6 7

```
{ { [ no ] radius-server key { 0 <s0> | 6 <s6> | 7 <s1> | <s2> } } | { no radius-server key } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
key	Global RADIUS server shared secret
0	default RADIUS shared secret(clear text)
<i>s0</i>	default RADIUS shared secret(clear text)
6	default RADIUS shared secret(type-6 encrypted)
<i>s6</i>	default RADIUS shared secret(type-6 encrypted)
7	default RADIUS shared secret(encrypted)
<i>s1</i>	default RADIUS shared secret(encrypted)
<i>s2</i>	default RADIUS shared secret(clear text)

Command Mode

- /exec/configure

radius-server retransmit

[no] radius-server retransmit <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
retransmit	Global RADIUS server retransmit count
<i>i0</i>	Global RADIUS server retransmit count

Command Mode

- /exec/configure

radius-server secure tls

[no] radius-server secure | [no] radius-server secure { tls | dtls }

Syntax Description

no	Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
secure	Secure connection mode to RADIUS servers
tls	TLS Security for all server connections
dtls	Datagram Transport Layer Security for all server connections

Command Mode

- /exec/configure

radius-server test

```
[no] radius-server test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
```

Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
test	Parameters to send test packets
<i>s0</i>	user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) user password
0	(Optional) RADIUS shared secret(clear text)
<i>s2</i>	(Optional) RADIUS shared secret(clear text)
7	(Optional) RADIUS shared secret(encrypted)
<i>s7</i>	(Optional) RADIUS shared secret(encrypted)
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

radius-server timeout

[no] radius-server timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
radius-server	Configure RADIUS related parameters
timeout	Global RADIUS server timeout period in seconds
<i>i0</i>	RADIUS server timeout period in seconds

Command Mode

- /exec/configure

random-detect

```
[no] random-detect [ { minimum-threshold <min-thresh> { packets | bytes | kbytes | mbytes }
maximum-threshold <max-thresh> { packets1 | bytes1 | kbytes1 | mbytes1 } drop-probability <drop-prob>
weight <weight> [ cap-average ] } | threshold { burst-optimized | mesh-optimized } ] [ ecn ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect	Configure WRED parameters
threshold	(Optional) Threshold
burst-optimized	(Optional) Threshold optimized for bursty traffic
mesh-optimized	(Optional) Threshold optimized for mesh traffic
minimum-threshold	(Optional) Specify minimum threshold for WRED
maximum-threshold	(Optional) Specify maximum threshold for WRED
<i>max-thresh</i>	(Optional) Maximum threshold value
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
drop-probability	(Optional) Drop Probability at Maximum Threshold
<i>drop-prob</i>	(Optional) Drop Probability Value
weight	(Optional) Queue length weight
<i>weight</i>	(Optional) Queue length weight
cap-average	(Optional) If average queue length is more, replace average queue length with current queue length
ecn	(Optional) ECN

Command Mode

- /exec/configure/policy-map/type/queuing/class

random-detect2 minimum-threshold2 maximum-threshold2

```
[no] random-detect2 minimum-threshold2 <min-thresh2> { packets2 | bytes2 | kbytes2 | mbytes2 }
maximum-threshold2 <max-thresh2> { packets3 | bytes3 | kbytes3 | mbytes3 } [ drop-probability2 <drop-prob2>
weight2 <weight2> [ cap-average2 ] ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect2	Configure WRED parameters
minimum-threshold2	Specify minimum threshold for WRED
maximum-threshold2	Specify maximum threshold for WRED
packets2	Packets
bytes2	Bytes
kbytes2	Kilo Bytes
mbytes2	Mega Bytes
packets3	Packets
bytes3	Bytes
kbytes3	Kilo Bytes
mbytes3	Mega Bytes
drop-probability2	(Optional) Drop Probability at Maximum Threshold
<i>drop-prob2</i>	(Optional) Drop Probability Value
weight2	(Optional) Queue length weight
<i>weight2</i>	(Optional) Queue length weight
cap-average2	(Optional) If average queue length is more, replace average queue length with current queue length

Command Mode

- /exec/configure/policy-map/type/queuing/class

random-detect2 non-ecn minimum-threshold2 maximum-threshold2 drop

```
[no] random-detect2 non-ecn minimum-threshold2 <min-thresh2> { packets2 | bytes2 | kbytes2 | mbytes2 }
maximum-threshold2 <max-thresh2> { packets3 | bytes3 | kbytes3 | mbytes3 } { drop-probability2 <drop-prob2>
}
```

Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect2	Configure WRED parameters
non-ecn	Configure WRED parameters for non-ecn
minimum-threshold2	Specify minimum threshold for WRED
maximum-threshold2	Specify maximum threshold for WRED
packets2	Packets
bytes2	Bytes
kbytes2	Kilo Bytes
mbytes2	Mega Bytes
packets3	Packets
bytes3	Bytes
kbytes3	Kilo Bytes
mbytes3	Mega Bytes
drop-probability2	Drop Probability at Maximum Threshold
<i>drop-prob2</i>	Drop Probability Value

Command Mode

- /exec/configure/policy-map/type/queuing/class

random-detect

```
[no] random-detect { cos <cos-list> [ minimum-threshold ] { <min-thresh> [ packets | bytes | kbytes | mbytes
| ms | us ] | percent <min-percent-of-qsize> } [ maximum-threshold ] { <max-thresh> [ packets1 | bytes1 |
kbytes1 | mbytes1 | ms1 | us1 ] | percent1 <max-percent-of-qsize> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect	Configure WRED parameters
cos	Parameters for each cos value
<i>cos-list</i>	List of class-of-service values
minimum-threshold	(Optional) Specify minimum threshold for WRED
maximum-threshold	(Optional) Specify maximum threshold for WRED
<i>max-thresh</i>	Maximum threshold value
percent	Specify thresholds in percent
percent1	Specify thresholds in percent
<i>min-percent-of-qsize</i>	Minimum threshold percent of queue size
<i>max-percent-of-qsize</i>	Maximum threshold percent of queue size
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
ms1	(Optional) Milli second(s)
us1	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

random-detect cos-based

[no] random-detect cos-based [aggregate [minimum-threshold] { <min-thresh> [packets | bytes | kbytes | mbytes | ms | us] | percent <min-percent-of-qsize> } [maximum-threshold] { <max-thresh> [packets1 | bytes1 | kbytes1 | mbytes1 | ms1 | us1] | percent1 <max-percent-of-qsize> }]

Syntax Description

no	(Optional) Negate a command or set its defaults
random-detect	Configure WRED parameters
cos-based	Configure WRED parameters for cos-based mode
aggregate	(Optional) Configure WRED parameters to same value for all sub-classes
minimum-threshold	(Optional) Specify minimum threshold for WRED
maximum-threshold	(Optional) Specify maximum threshold for WRED
<i>max-thresh</i>	(Optional) Maximum threshold value
percent	(Optional) Specify thresholds in percent
percent1	(Optional) Specify thresholds in percent
<i>min-percent-of-qsize</i>	(Optional) Minimum threshold percent of queue size
<i>max-percent-of-qsize</i>	(Optional) Maximum threshold percent of queue size
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
ms	(Optional) Milli second(s)
us	(Optional) Micro second(s)
packets1	(Optional) Packets
bytes1	(Optional) Bytes
kbytes1	(Optional) Kilo Bytes
mbytes1	(Optional) Mega Bytes
ms1	(Optional) Milli second(s)
us1	(Optional) Micro second(s)

Command Mode

- /exec/configure/policy-map/type/queuing/class

rate-limit

rate-limit { auto | <rate_value> } | no rate-limit

Syntax Description

no	Negate a command or set its defaults
rate-limit	Set the Rate limit for SPAN packets
auto	Set the Rate limit using auto value
<i>rate_value</i>	Enter the percentage of the maximum rate for SPAN packets

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

rate-limit cpu direction input output both pps action log

```
{ rate-limit cpu direction { input | output | both } pps <pps-val> action log } | { no rate-limit cpu direction [
{ input | output | both } pps <pps-val> action log ] }
```

Syntax Description

no	Negate a command or set its defaults
rate-limit	set packet per second rate limit
cpu	Supervisor CPU limits
direction	input/output direction
input	set max input packet rate
output	set max output packet rate
both	set max input and output packet rate
pps	packet per second
<i>pps-val</i>	pps value
action	log action
log	write a syslog message if PPS hits rate-limit

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-eth-any /exec/configure/if-mgmt-config

rate-limit cpu direction input output both pps action log

```
{ rate-limit cpu direction { input | output | both } pps <pps-val> action log } | { no rate-limit cpu direction [
{ input | output | both } pps <pps-val> action log ] }
```

Syntax Description

no	Negate a command or set its defaults
rate-limit	set packet per second rate limit
cpu	Supervisor CPU limits
direction	input/output direction
input	set max input packet rate
output	set max output packet rate
both	set max input and output packet rate
pps	packet per second
<i>pps-val</i>	pps value
action	log action
log	write a syslog message if PPS hits rate-limit

Command Mode

- /exec/configure

rd

```
{ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } } | { no rd [ { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] }
```

Syntax Description

no	Negate a command or set its defaults
rd	VPN Route Distinguisher
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format

Command Mode

- /exec/configure/evpn/evi-sr

rd auto

```
{ rd { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } } | { no rd [ { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] }
```

Syntax Description

no	Negate a command or set its defaults
rd	VPN Route Distinguisher
auto	Generate RD automatically
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format

Command Mode

- /exec/configure/evpn/evi

rd auto

```
{ rd { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } } | { no rd [ { auto | <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] }
```

Syntax Description

no	Negate a command or set its defaults
rd	VPN Route Distinguisher
auto	Generate RD automatically
<i>ext-comm-rd-aa4nn2</i>	VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	VPN route distinguisher in aa:nn format

Command Mode

- /exec/configure/vrf

rd dual

[no] rd dual [id <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
rd	Secondary Route Distinguisher for vxlan multisite border gateway
dual	Generate Secondary RD for all VRFs and L2VNIs (Default is SITE-ID:VNI)
id	(Optional) Generate Secondary RD with ID:VNI format
<i>value</i>	(Optional) Specify 2 byte value for ID

Command Mode

- /exec/configure/router-bgp

read-only

[no] read-only

Syntax Description

no	(Optional) Negate a command or set its defaults
read-only	Make default-zone read-only

Command Mode

- /exec/configure/default-zone/attribute-group

read-only

[no] read-only

Syntax Description

no	(Optional) Negate a command or set its defaults
read-only	Make the zone read-only

Command Mode

- /exec/configure/attribute-group

receiver

[no] receiver

Syntax Description

no	(Optional) Negate a command or set its defaults
receiver	Policies for a Local Receiver

Command Mode

- /exec/configure/nbm-host-policy

receiver

[no] receiver

Syntax Description

no	(Optional) Negate a command or set its defaults
receiver	Policies for a Local Receiver

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy

reconnect-interval

reconnect-interval <interval> | no reconnect-interval [<interval>]

Syntax Description

no	Negate a command or set its defaults
reconnect-interval	Configure connection reconnect interval
<i>interval</i>	Interval in seconds

Command Mode

- /exec/configure/router-bgp/vrf-cmds

record

[no] record <recordname>

Syntax Description

record	Add a record
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/config-int-clone-md-source-monitor

record

[no] record <recordname>

Syntax Description

record	Specify INT Record to use
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/config-int-monitor

record

[no] record <recordname>

Syntax Description

record	Specify FTE Record to use
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/config-fte-monitor

record

[no] record <recordname>

Syntax Description

record	Specify Flow Record to use
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/nfm-monitor

record

[no] record <recordname>

Syntax Description

record	Specify Flow Record to use
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/analytics/monitor

record

[no] record <recordname>

Syntax Description

record	Add a record
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/config-buffer-latency-monitor

record

[no] record <recordname>

Syntax Description

record	Record to be monitored
<i>recordname</i>	Record name to be configured

Command Mode

- /exec/configure/config-ssx-monitor

record

[no] record <recordname>

Syntax Description

record	Specify Flow Record to use
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/nfm-monitor

record

[no] record <recordname>

Syntax Description

record	Add a record
<i>recordname</i>	Name of record

Command Mode

- /exec/configure/config-int-clone-md-sink-monitor

record netflow-original

[no] record netflow-original

Syntax Description

record	Specify Flow Record to use
netflow-original	Traditional IPv4 input NetFlow with origin ASs

Command Mode

- /exec/configure/nfm-monitor

record netflow

```
[no] record netflow { layer2-switched { input } }
```

Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
layer2-switched	Traditional L2 NetFlow collection schemes
input	Input NetFlow

Command Mode

- /exec/configure/nfm-monitor

record netflow

[no] record netflow { ipv4 { original-input } }

Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
ipv4	Traditional IPv4 NetFlow collection schemes
original-input	Traditional IPv4 input NetFlow

Command Mode

- /exec/configure/nfm-monitor

record netflow

```
[no] record netflow { ipv6 { original-input } }
```

Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
ipv6	IPv6 collection schemes
original-input	Input NetFlow

Command Mode

- /exec/configure/nfm-monitor

record netflow protocol-port

[no] record netflow protocol-port

Syntax Description

record	Specify Flow Record to use
netflow	Traditional NetFlow collection schemes
protocol-port	Protocol and Ports aggregation scheme

Command Mode

- /exec/configure/nfm-monitor

recv-id

{ recv-id <recv-id> | no recv-id }

Syntax Description

no	Negate a command or set its defaults
recv-id	Configure TCP-AO recv-id
<i>recv-id</i>	recv identifier

Command Mode

- /exec/configure/tcpkeychain-key

redistribute filter route-map

[no] redistribute filter route-map { <map-name> | <rtr_pol_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
filter	Filter redistributed routes
route-map	Route-map to constrain redistribution
<i>map-name</i>	A 'routing-rules' route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

redistribute filter route-map

[no] redistribute filter route-map { <map-name> | <rtr_pol_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
filter	Filter redistributed routes
route-map	Route-map to constrain redistribution
<i>map-name</i>	A 'routing-rules' route-map name
<i>rtr_pol_name</i>	An existing routing-rules policy

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

redistribute maximum-prefix

```
redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] | no redistribute maximum-prefix [ <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Max number of prefixes redistributed
<i>maximum</i>	max number
<i>threshold</i>	(Optional) Threshold in %, at which message is generated
warning-only	(Optional) Warning msg is logged when max is reached
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) No of times to retry to get redistrib routes again
<i>timeout</i>	(Optional) Time between the retries

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

redistribute maximum-prefix

```
redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] | no redistribute maximum-prefix [ <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Max number of prefixes redistributed
<i>maximum</i>	max number
<i>threshold</i>	(Optional) Threshold in %, at which message is generated
warning-only	(Optional) Warning msg is logged when max is reached
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) No of times to retry to get redist routes again
<i>timeout</i>	(Optional) Time between the retries

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4

redistribute maximum-prefix

```
{ redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] } | { no redistribute maximum-prefix }
```

Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Maximum number of prefixes redistributed to protocol
<i>maximum</i>	Maximum number of IP prefixes redistributed
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) Number of times to retry to get the redistributed routes again
<i>timeout</i>	(Optional) Timeout between each retries

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

redistribute maximum-prefix

```
redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] | no redistribute maximum-prefix [ <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Max number of prefixes redistributed
<i>maximum</i>	max number
<i>threshold</i>	(Optional) Threshold in %, at which message is generated
warning-only	(Optional) Warning msg is logged when threshold is reached
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) Number of attempts to receive redistributed routes after max is reached
<i>timeout</i>	(Optional) Retry interval

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

redistribute maximum-prefix

```
{ redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries> <timeout>
] ] } | { no redistribute maximum-prefix <maximum> [ <threshold> ] [ warning-only | withdraw [ <retries>
<timeout> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
redistribute	Redistribute information from another routing protocol
maximum-prefix	Maximum number of prefixes redistributed to protocol
<i>maximum</i>	Maximum number of IP prefixes redistributed
<i>threshold</i>	(Optional) Threshold value (%) at which to generate a warning message
warning-only	(Optional) Log a warning message when limit is exceeded
withdraw	(Optional) Withdraw all redistributed routes
<i>retries</i>	(Optional) Number of times to retry to get the redistributed routes again
<i>timeout</i>	(Optional) Timeout between each retries

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

redistribute route-map

```
[no] redistribute { static | direct | amt | lisp | am | hmm | icmpv6 | { { eigrp | isis | ospfv3 | rip } <tag> } }
route-map <rmap-name>
```

Syntax Description

no	(Optional) Negate a command or set its defaults
redistribute	Configure redistribution
static	Static routes
direct	Directly connected
isis	ISO IS-IS
ospfv3	Open Shortest Path First, version 3 (OSPFv3)
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Protocol
amt	AMT anycast prefix
lisp	LISP EID-prefixes in the non-default VRF
hmm	HMM prefix
icmpv6	ICMPv6 routes
am	AM routes (learned via ARP)
route-map	Route-map applied to redistributed routes
<i>rmap-name</i>	Route-map name
<i>tag</i>	Source protocol tag

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

redundancy-group

[no] redundancy-group

Syntax Description

no	(Optional) Negate a command or set its defaults
redundancy-group	Configure a redundancy-group node

Command Mode

- /exec/configure/if-nve

reference-bandwidth

reference-bandwidth { <ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps } | no reference-bandwidth [<ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps]

Syntax Description

no	Negate a command or set its defaults
reference-bandwidth	Reference bandwidth used to assign interface cost
Mbps	(Optional) Specify rate in Mbps
Gbps	Specify rate in Gbps
<i>ref-bw-mbps</i>	Rate in Mbps (bandwidth) (Default)
<i>ref-bw-gbps</i>	Rate in Gbps (bandwidth)

Command Mode

- /exec/configure/router-bgp/vrf-cmds

reference-bandwidth

[no] reference-bandwidth { <ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps }

Syntax Description

no	(Optional) Negate a command or set its defaults
reference-bandwidth	Change reference bandwidth used for setting interface metric
<i>ref-bw-mbps</i>	Bandwidth in Mbps (Default)
Mbps	(Optional) Specify in Mbps
<i>ref-bw-gbps</i>	Bandwidth in Gbps
Gbps	Specify in Gbps

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

reference-bandwidth

[no] reference-bandwidth { <ref-bw-mbps> [Mbps] | <ref-bw-gbps> Gbps }

Syntax Description

no	(Optional) Negate a command or set its defaults
reference-bandwidth	Change reference bandwidth used for setting interface metric
<i>ref-bw-mbps</i>	Bandwidth in Mbps (Default)
Mbps	(Optional) Specify in Mbps
<i>ref-bw-gbps</i>	Bandwidth in Gbps
Gbps	Specify in Gbps

Command Mode

- /exec/configure/12mp-isis/12mp-isis-vrf-common /exec/configure/12mp-isis/12mp-isis-l2-topo

refresh-interval

[no] refresh-interval | refresh-interval <interval>

Syntax Description

no	Negate a command or set its defaults
refresh-interval	Specify periodic wait time between cache poll attempts
<i>interval</i>	Interval(seconds)

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

region

{ region <i0> | no region [<i0>] }

Syntax Description

no	Negate a command or set its defaults
region	Configure the autonomous region for FSPF
<i>i0</i>	region ID

Command Mode

- /exec/configure/(fspf-config)

register-database-mapping

{ [no] register-database-mapping }

Syntax Description

no	(Optional) Negate a command or set its defaults
register-database-mapping	Register database-mapping EID-prefix to Map-Server

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

register-route-notifications

{ [no] register-route-notifications }

Syntax Description

no	(Optional) Negate a command or set its defaults
register-route-notifications	Register more-specific routes of the database-mapping EID-prefix to Map-Server

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

reload

reload [e2fsck]

Syntax Description

e2fsck	(Optional) Set the e2fsck -y flag during reboot
reload	reboot the entire box

Command Mode

- /exec

reload cancel

reload cancel

Syntax Description

reload	reboot the entire box
cancel	Cancel scheduling of the reload

Command Mode

- /exec

reload in

reload in <secs>

Syntax Description

reload	reboot the entire box
in	Schedule a reload after some time
<i>secs</i>	Reload after n seconds

Command Mode

- /exec

reload module

reload module <lem-aware-module>

Syntax Description

reload	reboot the entire box
module	reboot a specific module
<i>lem-aware-module</i>	please enter the module number

Command Mode

- /exec

reload module force-dnld

reload module <module> force-dnld

Syntax Description

reload	reboot the entire box
module	reboot a specific module
<i>module</i>	please enter the module number
force-dnld	reboot a specific module to force NetBoot and image download

Command Mode

- /exec

reload non-interruptive

reload non-interruptive

Syntax Description

reload	reboot the entire box
non-interruptive	Reboot without interruption

Command Mode

- /exec

reload power-cycle

reload power-cycle

Syntax Description

reload	reboot the entire box
power-cycle	Power cycle ADM

Command Mode

- /exec

reload sync-adjacency

reload sync-adjacency

Syntax Description

reload	reboot the entire box
sync-adjacency	Reload with sync adjacency

Command Mode

- /exec

reload timer

reload timer <secs>

Syntax Description

reload	reboot the entire box
timer	reboot after a delay <5-3600> seconds
<i>secs</i>	delay in seconds

Command Mode

- /exec

reload vdc

reload vdc <d-vdc>

Syntax Description

vdc	Restart the current vdc
reload	Power cycle
<i>d-vdc</i>	Enter Virtual Device Context <vdc-id>

Command Mode

- /exec

reload vdc

reload vdc

Syntax Description

vdc	Restart the current vdc
reload	Power cycle

Command Mode

- /exec

remark

```
{ [ <seqno> ] | no } remark <comment>
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>seqno</code>	(Optional) Sequence number
<code>remark</code>	Time range entry comment
<code>comment</code>	Comment, up to 100 characters

Command Mode

- /exec/configure/arpacl /exec/configure/timerange

remark

{ [<seqno>] | no } remark <comment>

Syntax Description

no	Negate a command or set its defaults
<i>seqno</i>	(Optional) Sequence number
remark	Access list entry comment
<i>comment</i>	Comment, up to 100 characters

Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl

remark

```
{ [ <seqno> ] | no } remark <comment>
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>seqno</code>	(Optional) Sequence number
<code>remark</code>	Access list entry comment
<code>comment</code>	Comment, up to 100 characters

Command Mode

- /exec/configure/macacl

remote-span

[no] remote-span

Syntax Description

no	(Optional) Negate a command or set its defaults
remote-span	Enable remote span VLAN

Command Mode

- /exec/configure/vlan

remove-private-as

[no | default] remove-private-as [all | replace-as]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
remove-private-as	Remove private AS number from outbound updates
all	(Optional) All
replace-as	(Optional) Replace

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

remove filter

remove filter <seqno>

Syntax Description

remove	Remove a configured filter
filter	Define a 5-tuple filter
<i>seqno</i>	Sequence number

Command Mode

- /exec/flow-path-tracer

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/elamns/outse10

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/elamns/sel3

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/elamns/se14

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/elamns/sel5

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/elanms/se16

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/elamns/sel7

report

report

Syntax Description

report	Show trigger report
--------	---------------------

Command Mode

- /exec/eramns/outse15

request-data-size

{ { no | default } request-data-size | request-data-size <bytes-in-payload> }

Syntax Description

no	
default	Set a command to its defaults
request-data-size	Request data size
<i>bytes-in-payload</i>	Number of bytes in payload

Command Mode

- /exec/configure/ip-sla/udp

request-data-size

{ { no | default } request-data-size | request-data-size <bytes-in-payload> }

Syntax Description

no	
default	Set a command to its defaults
request-data-size	Request data size
<i>bytes-in-payload</i>	Number of bytes in payload

Command Mode

- /exec/configure/ip-sla/icmpEcho

request-data-size

{ { no | default } request-data-size | request-data-size <bytes-in-payload> }

Syntax Description

no	
default	Set a command to its defaults
request-data-size	Request data size
<i>bytes-in-payload</i>	Number of bytes in payload

Command Mode

- /exec/configure/ip-sla/jitter

resequence

```
resequence { { ip access-list <acl-ip-name> | ipv6 access-list <acl-ipv6-name> | mac access-list <acl-mac-name>
| arp access-list <name> } | time-range <time_range_name> } <number> <increment>
```

Syntax Description

resequence	Resequence a list with sequence numbers
<i>time_range_name</i>	Time range name
<i>acl-mac-name</i>	List name
<i>acl-ip-name</i>	List name
<i>acl-ipv6-name</i>	List name
<i>name</i>	List name
access-list	Resequence an access list
time-range	Resequence a time-range
ip	Display IP information
ipv6	Display IPv6 information
mac	MAC configuration commands
arp	ARP access-lists
<i>number</i>	Starting sequence number
<i>increment</i>	Step to increment the sequence number

Command Mode

- /exec/configure

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/elamns/sel4

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/eramns/se13

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/elamns/sel5

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/elamns/se16

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/elanms/sel7

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/elamns/outse10

reset

reset

Syntax Description

reset	Reset Trigger conditions
-------	--------------------------

Command Mode

- /exec/elamns/outsel5

restart amt

restart amt

Syntax Description

restart	Manually restart a component
amt	Restart the AMT multicast routing protocol

Command Mode

- /exec

restart bgp

restart bgp { <as> | auto }

Syntax Description

restart	Manually restart a component
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous
auto	Generate Autonomous System Number automatically

Command Mode

- /exec

restart eigrp

```
restart eigrp <eigrp-ptag>
```

Syntax Description

restart	Manually restart a component
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>eigrp-ptag</i>	Process tag

Command Mode

- /exec

restart fabricpath domain

restart fabricpath domain

Syntax Description

restart	Manually restart a component
fabricpath	Data Center Intermediate System to Intermediate System (L2MP-IS-IS)
domain	Fabricpath IS-IS domain

Command Mode

- /exec

restart igmp

restart igmp

Syntax Description

restart	Manually restart a component
igmp	Restart the IGMP multicast routing protocol

Command Mode

- /exec

restart isis

restart isis <tag>

Syntax Description

restart	Manually restart a component
isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

Command Mode

- /exec

restart mld

restart mld

Syntax Description

restart	Manually restart a component
mld	Restart the MLD routing protocol

Command Mode

- /exec

restart msdp

restart msdp

Syntax Description

restart	Manually restart a component
msdp	Restart the MSDP multicast routing protocol

Command Mode

- /exec

restart ngmvpn

restart ngmvpn

Syntax Description

restart	Manually restart a component
ngmvpn	Restart NGMVPN

Command Mode

- /exec

restart ospf

restart ospf <tag>

Syntax Description

restart	Manually restart a component
ospf	Open Shortest Path First (OSPF)
<i>tag</i>	Process tag

Command Mode

- /exec

restart ospfv3

restart ospfv3 <tag>

Syntax Description

restart	Manually restart a component
ospfv3	Open Shortest Path First (OSPF) (Version 3)
<i>tag</i>	Process tag

Command Mode

- /exec

restart otv-isis

restart otv-isis <tag>

Syntax Description

restart	Manually restart a component
otv-isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

Command Mode

- /exec

restart pim

restart pim

Syntax Description

restart	Manually restart a component
pim	Restart the PIM multicast routing protocol

Command Mode

- /exec

restart pim6

restart pim6

Syntax Description

restart	Manually restart a component
pim6	Restart the PIM6 multicast routing protocol

Command Mode

- /exec

restart rip

restart rip <tag>

Syntax Description

restart	Manually restart a component
rip	Routing Information Protocol (RIP)
<i>tag</i>	Process ID

Command Mode

- /exec

resync-database

resync-database

Syntax Description

resync-database	Re-synchronize switch-profile database
-----------------	--

Command Mode

- /exec/configure

retain route-target all

[no] retain route-target { all | route-map <rmap-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
retain	Retain the routes based on Target VPN Extended Communities
route-target	Specify Target VPN Extended Communities
all	All the routes regardless of Target-VPN community
route-map	Apply route-map to filter routes
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6
/exec/configure/router-bgp/router-bgp-af-link-state /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn
/exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn

retain route-target all

[no] retain route-target { all | route-map <rmap-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
retain	Retain the routes based on Target VPN Extended Communities
route-target	Specify Target VPN Extended Communities
all	All the routes regardless of Target-VPN community
route-map	Apply route-map to filter routes
<i>rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-af-l2vpn-vpls

retransmit-interval

{ { retransmit-interval <interval> } | { no retransmit-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

retransmit-interval

{ { retransmit-interval <interval> } | { no retransmit-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

retransmit-interval

{ { retransmit-interval <interval> } | { no retransmit-interval [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
retransmit-interval	Packet retransmission interval
<i>interval</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

retry-interval

[no] retry-interval | retry-interval <interval>

Syntax Description

no	Negate a command or set its defaults
retry-interval	Specify wait time before retrying failed serial or reset query
<i>interval</i>	Interval(seconds)

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

reverse interface

[no] reverse interface <revinterface>

Syntax Description

no	(Optional) Negate a command or set its defaults
reverse	Details of reverse service-end-point instance
interface	Service connectivity interface
<i>revinterface</i>	Interface

Command Mode

- /exec/configure/epbr-sess/fwd-svc

reverse interface

[no] reverse interface <revinterface>

Syntax Description

no	(Optional) Negate a command or set its defaults
reverse	Details of reverse service-end-point instance
interface	Service connectivity interface
<i>revinterface</i>	Interface

Command Mode

- /exec/configure/epbr/fwd-svc

reverse ip

[no] reverse { { ip <rev-ip-addr> } | { ipv6 <rev-ipv6-addr> } } [interface <revinterface>]

Syntax Description

no	(Optional) Negate a command or set its defaults
reverse	Details of reverse service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Service connectivity interface
<i>rev-ip-addr</i>	IPv4 address in format i.i.i.i
<i>revinterface</i>	(Optional) Interface

Command Mode

- /exec/configure/epbr-sess/fwd-svc

reverse ip

[no] reverse { { ip <rev-ip-addr> } | { ipv6 <rev-ipv6-addr> } } [interface <revinterface>]

Syntax Description

no	(Optional) Negate a command or set its defaults
reverse	Details of reverse service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Service connectivity interface
<i>rev-ip-addr</i>	IPv4 address in format i.i.i.i
<i>revinterface</i>	(Optional) Interface

Command Mode

- /exec/configure/epbr/fwd-svc

revision

revision <rev-id> | no revision [<rev-id>]

Syntax Description

no	Negate a command or set its defaults
revision	Set configuration revision number
<i>rev-id</i>	Configuration revision number

Command Mode

- /exec/configure/spanning-tree/mst/configuration

revocation-check

```
[no] revocation-check { crl [ { none | oosp [ none ] } ] | none | oosp [ { crl [ none ] | none } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
revocation-check	Configure trustpoint revocation check methods
crl	Configure revocation check using crl
none	(Optional) Configure revocation check using none
oosp	(Optional) Configure revocation check using oosp
none	(Optional) Configure revocation check using none
none	Configure revocation check using none
oosp	Configure revocation check using oosp
crl	(Optional) Configure revocation check using crl
none	(Optional) Configure revocation check using none
none	(Optional) Configure revocation check using none

Command Mode

- /exec/configure/trustpoint

rewrite-evpn-rt-asn

[no | default] rewrite-evpn-rt-asn

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
rewrite-evpn-rt-asn	Auto generate RTs for EBGp neighbor

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn

rewrite-rt-asn

[no | default] rewrite-rt-asn

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
rewrite-rt-asn	Auto generate RTs for EBGP neighbor

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

rfc1583compatibility

[no] rfc1583compatibility [ios-compatibility]

Syntax Description

no	(Optional) Negate a command or set its defaults
rfc1583compatibility	Configure 1583 compatibility for external path preferences
ios-compatibility	(Optional) Option for IOS XE/XR compatibility: [intra asbr path preferred over cost]

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

rib verification-report

[no] rib verification-report { label module <i0> | multicast module1 <i1> | unicast module2 <i2> }

Syntax Description

no	(Optional) Negate a command or set its defaults
rib	Configure RIB parameters
verification-report	Generate RIB route verification report
label	Generate label report
module	Line card module number
<i>i0</i>	Enter module number
multicast	Generate multicast report
module1	Line card module number
<i>i1</i>	Enter module number
unicast	Generate unicast report
module2	Line card module number
<i>i2</i>	Enter module number

Command Mode

- /exec/configure

rip shutdown

[no] rip shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
rip	RIP configuration commands
shutdown	Shutdown RIP on this interface

Command Mode

- /exec/configure/if-igp

rmdir

rmdir { <uri0> | <uri1> }

Syntax Description

rmdir	Delete a directory
<i>uri0</i>	Delete a directory
<i>uri1</i>	Delete a directory on expansion flash

Command Mode

- /exec

rmon alarm absolute rising-threshold falling-threshold

```
rmon alarm <i0> <s0> <i1> { absolute | delta } rising-threshold <i2> [ <i3> ] falling-threshold <i4> [ <i5> ]
[ owner <s1> ] | no rmon alarm <i0>
```

Syntax Description

no	Negate a command or set its defaults
rmon	Remote Monitoring
alarm	Configure an RMON alarm
<i>i0</i>	Alarm number
<i>s0</i>	MIB object to monitor
<i>i1</i>	Sample interval
absolute	Test each sample directly
delta	Test delta between samples
rising-threshold	Configure the rising threshold
<i>i2</i>	Rising threshold value
<i>i3</i>	(Optional) Event to fire on rising threshold crossing
falling-threshold	Configure the falling threshold
<i>i4</i>	Falling threshold value
<i>i5</i>	(Optional) Event to fire on falling threshold crossing
owner	(Optional) Specify an owner for the alarm
<i>s1</i>	(Optional) Alarm owner

Command Mode

- /exec/configure

rmon event

rmon event <i0> [log] [trap <s0>] [description <s1>] [owner <s2>] | no rmon event <i0>

Syntax Description

no	Negate a command or set its defaults
rmon	Remote Monitoring
event	Configure an RMON event
<i>i0</i>	Event number
log	(Optional) Generate RMON log when the event fires
trap	(Optional) Generate SNMP trap when event fires
<i>s0</i>	(Optional) SNMP community string
description	(Optional) Specify a description of the event
<i>s1</i>	(Optional) Event description
owner	(Optional) Specify an owner for the event
<i>s2</i>	(Optional) Event owner

Command Mode

- /exec/configure

rmon hcalarm absolute startupalarm rising-threshold falling-threshold owner

rmon hcalarm <i0> <s0> <i1> { absolute | delta } startupalarm <i2> rising-threshold <i3> <i4> falling-threshold <i5> <i6> owner <s1> | no rmon hcalarm <i0>

Syntax Description

no	Negate a command or set its defaults
rmon	Remote Monitoring
hcalarm	Configure an High Capacity RMON alarm
<i>i0</i>	Alarm number
<i>s0</i>	MIB object to monitor
<i>i1</i>	Sample interval
absolute	Test each sample directly
delta	Test delta between samples
startupalarm	Configure alarm type
<i>i2</i>	Startup alarm type, rising(1) falling(2) risingorfalling(3)
rising-threshold	Configure the rising threshold
<i>i3</i>	Rising threshold value in bytes
<i>i4</i>	Event to fire on rising threshold crossing
falling-threshold	Configure the falling threshold
<i>i5</i>	Falling threshold value in bytes
<i>i6</i>	Event to fire on falling threshold crossing
owner	Specify an owner for the alarm
<i>s1</i>	Alarm owner

Command Mode

- /exec/configure

roaming-eid-prefix

```
{ [ no ] roaming-eid-prefix { <eid-prefix> | <eid-prefix6> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
roaming-eid-prefix	Configures what EID-prefixes allowed to roam
<i>eid-prefix</i>	IPv4 roaming EID-prefix

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

role feature-group name

[no] role feature-group name <arg6>

Syntax Description

no	(Optional) Negate a command or set its defaults
role	Configure roles
feature-group	Configure role feature-group
name	Feature-group name
<i>arg6</i>	Enter feature-group name

Command Mode

- /exec/configure

role name

[no] role name <arg2>

Syntax Description

no	(Optional) Negate a command or set its defaults
role	Configure roles
name	Enter the role name
<i>arg2</i>	Enter the role name

Command Mode

- /exec/configure

role priority

role priority <priority_value> | no role priority

Syntax Description

no	Negate a command or set its defaults
role	Role related configuration
priority	Configure priority to be used during vPC role (primary/secondary) election
<i>priority_value</i>	specify priority value

Command Mode

- /exec/configure/vpc-domain

rollback configuration to

rollback configuration to <conf-commit-id>

Syntax Description

rollback	Rollback configuration
configuration	committed configuration
to	to choose a committed ID
<i>conf-commit-id</i>	commit ID

Command Mode

- /exec

rollback running-config checkpoint

```
rollback running-config { checkpoint <chkpoint_name> | file <file_uri> } [ best-effort | stop-at-first-failure |
atomic ] [ verbose ]
```

Syntax Description

rollback	Rollback configuration
running-config	Rollback running configuration
checkpoint	Rollback running configuration to checkpoint
<i>chkpoint_name</i>	Checkpoint name
file	Rollback running configuration to configuration file
<i>file_uri</i>	Checkpoint file path
best-effort	(Optional) Skip errors and proceed with rollback
stop-at-first-failure	(Optional) Stop rollback at the first error
atomic	(Optional) Stop rollback and revert to original configuration (default)
verbose	(Optional) Show the execution log

Command Mode

- /exec

root-priority

[no] root-priority <root-pri>

Syntax Description

no	(Optional) Negate a command or set its defaults
root-priority	Set priority with which nodes becomes root
<i>root-pri</i>	Root priority value per topology

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common /exec/configure/l2mp-isis/l2mp-isis-l2-topo

route-map

route-map <rtmap-name> [permit | deny] <seq>

Syntax Description

route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations
<i>seq</i>	Sequence to insert to/delete from existing route-map entry

Command Mode

- /exec/configure

route-map

route-map <rtmap-name> [permit | deny]

Syntax Description

route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations

Command Mode

- /exec/configure

route-map

[no] route-map { <rtmap-name> | <rtmap-name> } [permit | deny]

Syntax Description

no	Negate a command or set its defaults
route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
<i>rtmap-name</i>	Known route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations

Command Mode

- /exec/configure

route-map

[no] route-map { <rtmap-name> | <rtmap-name> } [permit | deny] <seq>

Syntax Description

no	Negate a command or set its defaults
route-map	Create route-map or enter route-map command mode
<i>rtmap-name</i>	Route-map name
<i>rtmap-name</i>	Known route-map name
permit	(Optional) Route map permits set operations
deny	(Optional) Route map denies set operations
<i>seq</i>	Sequence to insert to/delete from existing route-map entry

Command Mode

- /exec/configure

route-map out

[no | default] route-map <rmap-name> { out | in }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
route-map	Apply route-map to neighbor
<i>rmap-name</i>	Route-map name
out	Apply policy to outgoing routes
in	Apply policy to incoming routes

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

route-map pbr-statistics

```
route-map <route-map-name> pbr-statistics | no route-map { <route-map-name> | <route-map-name> }  
pbr-statistics
```

Syntax Description

no	Negate a command or set its defaults
route-map	Create route-map or enter route-map command mode
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	Route-map name
<i>route-map-name</i>	Known route-map name
pbr-statistics	Statistics for policy based routing

Command Mode

- /exec/configure

route-reflector-client

[no | default] route-reflector-client

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
route-reflector-client	Configure a neighbor as Route reflector client

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

route-reflector-client

[no | default] route-reflector-client

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
route-reflector-client	Configure a neighbor as Route reflector client

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

route-target both

```
{ route-target both { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target both {
<ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
both	Export and Import Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/evpn/evi-sr

route-target both auto

```
{ route-target both { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] } | { no route-target
both [ auto [ evpn | mvpn ] | <ext-comm-rt-aa2nn4> [ evpn | mvpn ] | <ext-comm-rt-aa4nn2> [ evpn | mvpn
]] }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
both	Export And Import Target-VPN community
auto	Generate route target automatically
evpn	(Optional) Specify Target for EVPN routes
mvpn	(Optional) Specify Target for MVPN routes
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

route-target both auto

```
{ route-target both { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target both { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
auto	Generate RT automatically
both	Export and Import Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/evpn/evi

route-target export

```
{ route-target export { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target export {
<ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
export	Export Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/evpn/evi-sr

route-target export

```
{ route-target export { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] } | { no route-target
export { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
export	Export Target-VPN community
evpn	(Optional) Specify Target for EVPN routes
mvpn	(Optional) Specify Target for MVPN routes
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

route-target export auto

```
{ route-target export { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target export {
auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
auto	Generate RT automatically
export	Export Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/evpn/evi

route-target import

```
{ route-target import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target import {
<ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
import	Import Target-VPN community
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/evpn/evi-sr

route-target import

```
{ route-target import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] } | { no route-target
import { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } [ evpn | mvpn ] }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
import	Import Target-VPN community
evpn	(Optional) Specify Target for EVPN routes
mvpn	(Optional) Specify Target for MVPN routes
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/vrf-af-ipv4 /exec/configure/vrf-af-ipv6

route-target import auto

```
{ route-target import { auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } } | { no route-target import
{ auto | <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } }
```

Syntax Description

no	Negate a command or set its defaults
route-target	Specify Target VPN Extended Communities
import	Import Target-VPN community
auto	Generate RT automatically
<i>ext-comm-rt-aa4nn2</i>	RT extcommunity in aa4:nn or ip:nn format
<i>ext-comm-rt-aa2nn4</i>	RT extcommunity in aa:nn format

Command Mode

- /exec/configure/evpn/evi

route

```
[no] route { vrf { <vrf-name> | <vrf-known-name> } } { <ip-addr> <ip-mask> | <ip-prefix> | <ipv6-prefix>
} { <next-hop> [ next-hop-vrf { <nh-vrf-name> | <nh-vrf-known-name> | default } ] { vni <id> { dest-vtep-mac
<next-hop-mac> } } | remote-locator <remote-loc> function <function> [ via policy { name <te-policy> |
color <color> endpoint <end-point> } ] | via policy { name <te-policy> | color <color> endpoint <end-point>
} [ remote-locator <remote-loc> function <function> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
route	Route information
vrf	VRF for host route
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
<i>ip-addr</i>	IP prefix in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
<i>ip-prefix</i>	IP prefix and network mask length in format x.x.x.x/m
<i>next-hop</i>	IP next-hop address in format i.i.i.i
next-hop-vrf	(Optional) VRF for next-hop. Default is vrf 'default'
default	(Optional) Default next hop VRF
<i>nh-vrf-name</i>	(Optional) VRF name
<i>nh-vrf-known-name</i>	(Optional) Known VRF name
dest-vtep-mac	Remote VTEP MAC address
<i>next-hop-mac</i>	MAC Address of remote VTEP
vni	Virtual Network Identifier
via	(Optional) Via SrV6 TE policy
policy	(Optional) Traffic engineering-policy
name	(Optional) Te-policy policy
<i>te-policy</i>	(Optional) policy Name
color	(Optional) Te-policy color
<i>color</i>	(Optional) color name
endpoint	(Optional) SRV6 End-point

remote-locator	Ipv6 locator of remote srv6 peer
function	Function
<i>function</i>	Function in the remote sid
<i>id</i>	vni, Example: 4096,6099

Command Mode

- /exec/configure/tunnel-profile

router-guard ip multicast

[no] router-guard ip multicast [vlan <vlan_id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ip	Configure IP features
multicast	router-guard for multicast packet processing
vlan	(Optional) Configures router guard for specified vlan only(only in trunk ports)
<i>vlan_id</i>	(Optional) Specify vlan-id

Command Mode

- /exec/configure/if-switching

router-guard ip multicast switchports

[no] router-guard ip multicast switchports

Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ip	Configure IP features
multicast	router-guard for multicast packet processing
switchports	configures on all switchports globally

Command Mode

- /exec/configure

router-guard ipv6 multicast

[no] router-guard ipv6 multicast [vlan <vlan_id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ipv6	Configure IPv6 features
multicast	router-guard for multicast packet processing
vlan	(Optional) Configures router guard for specified vlan only(only in trunk ports)
<i>vlan_id</i>	(Optional) Specify vlan-id

Command Mode

- /exec/configure/if-switching

router-guard ipv6 multicast switchports

[no] router-guard ipv6 multicast switchports

Syntax Description

no	(Optional) Negate a command or set its defaults
router-guard	Configures router guard for all interfaces
ipv6	Configure IPv6 features
multicast	router-guard for multicast packet processing
switchports	configures on all switchports globally

Command Mode

- /exec/configure

router-id

[no] router-id { <interface> | <rid> }

Syntax Description

no	(Optional) Negate a command or set its defaults
router-id	Router-ID
<i>interface</i>	Interface to provide IP address for router-id
<i>rid</i>	IP address to become router-id

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4

router-id

{ { router-id <id> } | { no router-id [<id>] } }

Syntax Description

no	Negate a command or set its defaults
router-id	Set OSPFv3 process router-id
<i>id</i>	Router ID Value

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

router-id

```
{ { [ eigrp ] router-id <id> } | { no [ eigrp ] router-id [ <id> ] } }
```

Syntax Description

no	Negate a command or set its defaults
eigrp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
router-id	router-id for this EIGRP process
<i>id</i>	EIGRP Router-ID in IP address format

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

router-id

{ { router-id <id> } | { no router-id [<id>] } }

Syntax Description

no	Negate a command or set its defaults
router-id	Set OSPF process router-id
<i>id</i>	Router ID Value

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

router-id

```
router-id [ vrf { <vrf-name> | <vrf-known-name> } ] <interface> [ force ] | no router-id [ { vrf { <vrf-name> | <vrf-known-name> } | <interface> [ force ] } ]
```

Syntax Description

no	Negate a command or set its defaults
router-id	Select interface to prefer for LDP identifier address
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>interface</i>	
force	(Optional) Forcibly change the LDP router id

Command Mode

- /exec/configure/ldp

router-id

[no] router-id { auto | <router-id> }

Syntax Description

no	(Optional) Negate a command or set its defaults
router-id	Specify the IP address to use as router-id
auto	Automatically configured router identifier
<i>router-id</i>	Manually configured router identifier

Command Mode

- /exec/configure/router-bgp/vrf-cmds

router-preference maximum

[no] router-preference maximum <prefopts>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>prefopts</i>	

Command Mode

- /exec/configure/config-ra-guard

router bgp

[no] router bgp { <as> | auto }

Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
bgp	Border Gateway Protocol (BGP)
as	Autonomous
auto	Automatically generate 4-Byte Private Autonomous System Number based on system MAC address

Command Mode

- /exec/configure

router eigrp

[no] router eigrp <eigrp-ptag>

Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
<i>eigrp-ptag</i>	Process tag

Command Mode

- /exec/configure

router isis

[no] router isis <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
isis	Intermediate System to Intermediate System (IS-IS)
<i>tag</i>	Routing process tag

Command Mode

- /exec/configure

router ospf

[no] router ospf <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
ospf	Open Shortest Path First (OSPF)
<i>tag</i>	Process tag

Command Mode

- /exec/configure

router ospfv3

[no] router ospfv3 <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
ospfv3	Open Shortest Path First (OSPF) (Version 3)
<i>tag</i>	Process tag

Command Mode

- /exec/configure

router rip

[no] router rip <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
router	Enable a routing process
rip	Routing Information Protocol (RIP)
<i>tag</i>	Process ID

Command Mode

- /exec/configure

routing-context vrf

```
routing-context vrf <vrf-known-name>
```

Syntax Description

routing-context	Set the routing context
vrf	The new routing-context VRF
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec

rpki cache

[no] rpki cache { <neighbor-id> | <ipv6-neighbor-id> }

Syntax Description

no	(Optional) Negate a command or set its defaults
rpki	Configure RPKI
cache	Configure a RPKI cache
<i>neighbor-id</i>	IP address of the RPKI cache

Command Mode

- /exec/configure/router-bgp

rsakeypair

[no] rsakeypair <s0> [<i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
rsakeypair	Configure trustpoint rsa key-pair details
s0	key-pair label
i0	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/trustpoint

rtr etr eid

[no] { rtr | etr | eid } { <locator> | <locator6> } [strict | probe] + <seq>

Syntax Description

no	(Optional) Negate a command or set its defaults
rtr	Configure RTR in ELP ordered list
etr	Configure ETR in ELP ordered list
eid	Configure EID in ELP ordered list
<i>locator</i>	IPv4 locator for RTR/ETR or EID
strict	(Optional) ELP hop must be used in Explicit Locator Path
probe	(Optional) RLOC-probe next-hop in ELP
<i>seq</i>	Sequence to insert or delete RTR/ETR/EID ELP entry

Command Mode

- /exec/configure/lisp-elp /exec/configure/vrf/lisp-elp

rule

```
rule <number> { <action> } { { <permission> [ <featuretype> <name> ] } } | no rule <number>
```

Syntax Description

no	Negate a command or set its defaults
rule	Enter the rule number
<i>number</i>	Enter the rule number
<i>action</i>	Action
<i>permission</i>	Permission
<i>featuretype</i>	(Optional) Feature type
<i>name</i>	(Optional) Enter the access entity name

Command Mode

- /exec/configure/role

rule command

rule <number> { <action> } { command <cmd_line> } | no rule <number>

Syntax Description

no	Negate a command or set its defaults
rule	Enter the rule number
<i>number</i>	Enter the rule number
<i>action</i>	Action
command	Command line
<i>cmd_line</i>	Enter the command (use space+' ' for command separator) e.g. config t role *

Command Mode

- /exec/configure/role

rule oid

rule <number> <action> <permission> oid <snmp_oid> | no rule <number>

Syntax Description

no	Negate a command or set its defaults
rule	Enter the rule number
<i>number</i>	Enter the rule number
<i>action</i>	Action
<i>permission</i>	Permission
oid	SNMP oid (up to 32 elements)
<i>snmp_oid</i>	Enter snmp oid instance name

Command Mode

- /exec/configure/role

run-opts

```
{ run-opts <index> <docker-opt> | no run-opts <index> [ <docker-opt> ] }
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>run-opts</code>	Multi-line docker run options with line index and string
<i>index</i>	Index number
<i>docker-opt</i>	Docker run-time options

Command Mode

- /exec/configure/app-hosting-docker

run-script

run-script <uri0>

Syntax Description

run-script	Run shell scripts
<i>uri0</i>	Enter script file name

Command Mode

- /exec

run2 guestshell

```
run2 guestshell [ { <cmd_args> } ]
```

Syntax Description

run2	execute/run program
guestshell	The guest shell Linux-bash
<i>cmd_args</i>	(Optional) The command to execute

Command Mode

- /exec

run bash

run bash [<cmd>]

Syntax Description

run	execute/run program
bash	linux-bash
<i>cmd</i>	(Optional) the command to execute

Command Mode

- /exec

run cid

run cid

Syntax Description

run	execute/run debug shell
cid	Cisco Interactive Debug shell

Command Mode

- /exec



S Commands

- [sak-expiry-time](#), on page 4205
- [sak-rekey-time](#), on page 4206
- [sampling-rate prepost](#), on page 4207
- [sampling](#), on page 4208
- [sampling rate](#), on page 4209
- [sampling rate](#), on page 4210
- [sampling rate](#), on page 4211
- [save](#), on page 4212
- [save configuration load](#), on page 4213
- [scale-factor module](#), on page 4214
- [scheduler aaa-authentication](#), on page 4215
- [scheduler job name](#), on page 4216
- [scheduler logfile size](#), on page 4217
- [scheduler schedule name](#), on page 4218
- [scheduler transport email](#), on page 4219
- [schema](#), on page 4220
- [scripting tcl init](#), on page 4221
- [scripting tcl recursion-limit](#), on page 4222
- [sds module](#), on page 4223
- [sds module](#), on page 4224
- [section](#), on page 4225
- [secure-handoff](#), on page 4226
- [security-group](#), on page 4227
- [security-group name](#), on page 4228
- [security-level](#), on page 4229
- [security-policy](#), on page 4230
- [sed](#), on page 4231
- [segment-list name](#), on page 4232
- [segment-routing](#), on page 4233
- [segment-routing](#), on page 4234
- [segment-routing mpls](#), on page 4235
- [segment-routing mpls](#), on page 4236
- [segment-routing srv6](#), on page 4237

- [segment-routing srv6](#), on page 4238
- [segment-routing srv6](#), on page 4239
- [segment-routing srv6](#), on page 4240
- [segment-routing srv6](#), on page 4241
- [segment-routing traffic-engineering reoptimize](#), on page 4242
- [segment-routing traffic-engineering switch name preference](#), on page 4243
- [segment-routing traffic-engineering test bfd notif bsid session-id state](#), on page 4244
- [segments](#), on page 4245
- [segments](#), on page 4246
- [selection input](#), on page 4247
- [selection input](#), on page 4248
- [selection input](#), on page 4249
- [send-community](#), on page 4250
- [send-community](#), on page 4251
- [send-community extended](#), on page 4252
- [send-id](#), on page 4253
- [send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l](#), on page 4254
- [send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l](#), on page 4256
- [send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l](#), on page 4258
- [send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l](#), on page 4260
- [send](#), on page 4262
- [send session](#), on page 4263
- [sender](#), on page 4264
- [sender](#), on page 4265
- [sensor-group](#), on page 4266
- [sequence](#), on page 4267
- [sequence](#), on page 4268
- [server-key 0 7](#), on page 4269
- [server](#), on page 4270
- [server](#), on page 4271
- [server](#), on page 4272
- [server protocol ldap](#), on page 4273
- [server protocol radius group](#), on page 4274
- [server protocol xmpp ip](#), on page 4275
- [service-end-point interface](#), on page 4276
- [service-end-point interface](#), on page 4277
- [service-end-point ip](#), on page 4278
- [service-end-point ip](#), on page 4279
- [service-interface](#), on page 4280

- [service-list](#), on page 4281
- [service-list in](#), on page 4282
- [service-name](#), on page 4283
- [service-policy-dynamic input](#), on page 4284
- [service-policy](#), on page 4285
- [service-policy](#), on page 4286
- [service-policy](#), on page 4287
- [service-policy](#), on page 4288
- [service-policy input](#), on page 4289
- [service-policy type network-qos](#), on page 4290
- [service-policy type qos](#), on page 4291
- [service-policy type queuing](#), on page 4292
- [service-policy type queuing](#), on page 4293
- [service-policy type queuing](#), on page 4294
- [service-type](#), on page 4295
- [service announcement-count](#), on page 4296
- [service announcement-timer periodicity](#), on page 4297
- [service exclude-bootconfig](#), on page 4298
- [service password-recovery](#), on page 4299
- [service query-count](#), on page 4300
- [service query-timer periodicity](#), on page 4301
- [service unsupported-transceiver](#), on page 4302
- [session-limit](#), on page 4303
- [session domain-lookup](#), on page 4304
- [session protection](#), on page 4305
- [set-attached-bit](#), on page 4306
- [set-overload-bit](#), on page 4307
- [set-overload-bit](#), on page 4308
- [set](#), on page 4309
- [set](#), on page 4311
- [set](#), on page 4312
- [set](#), on page 4313
- [set](#), on page 4314
- [set](#), on page 4315
- [set aigp-metric difference](#), on page 4318
- [set aigp-metric igp-cost](#), on page 4319
- [set as-path-length difference](#), on page 4320
- [set as-path none remote-as local-as](#), on page 4321
- [set as-path prepend last-as tag](#), on page 4322
- [set as-path replace private-as](#), on page 4323
- [set comm-list delete](#), on page 4324
- [set cos](#), on page 4325
- [set cos](#), on page 4326
- [set dampening](#), on page 4327
- [set distance](#), on page 4328
- [set esi all](#), on page 4329

- [set evpn gateway-ip](#), on page 4330
- [set extcomm-list delete](#), on page 4331
- [set extcommunity 4byteas-generic transitive additive](#), on page 4332
- [set extcommunity bandwidth](#), on page 4333
- [set extcommunity color](#), on page 4334
- [set extcommunity cost](#), on page 4335
- [set extcommunity evpn rmac](#), on page 4336
- [set extcommunity rt additive](#), on page 4337
- [set filter ip](#), on page 4338
- [set filter ipv6](#), on page 4339
- [set forwarding-address](#), on page 4340
- [set inner ipv4](#), on page 4341
- [set inner ipv4](#), on page 4343
- [set inner l2](#), on page 4345
- [set inner l2](#), on page 4347
- [set inner l2 hg2](#), on page 4349
- [set inner l2 hg2](#), on page 4351
- [set inner l4](#), on page 4353
- [set inner l4](#), on page 4354
- [set interface](#), on page 4355
- [set interval find-new-host](#), on page 4356
- [set interval sync-full-info](#), on page 4357
- [set ip address prefix-list](#), on page 4358
- [set ip default next-hop](#), on page 4359
- [set ip default next-hop verify-availability](#), on page 4360
- [set ip default vrf next-hop](#), on page 4361
- [set ip default vrf next-hop verify-availability](#), on page 4362
- [set ip next-hop](#), on page 4363
- [set ip next-hop](#), on page 4364
- [set ip next-hop](#), on page 4365
- [set ip next-hop peer-address](#), on page 4366
- [set ip next-hop redist-unchanged](#), on page 4367
- [set ip next-hop unchanged](#), on page 4368
- [set ip next-hop verify-availability](#), on page 4369
- [set ip precedence](#), on page 4370
- [set ip vrf next-hop](#), on page 4371
- [set ip vrf next-hop verify-availability](#), on page 4372
- [set ipv6 address prefix-list](#), on page 4373
- [set ipv6 default next-hop](#), on page 4374
- [set ipv6 default next-hop verify-availability](#), on page 4375
- [set ipv6 default vrf next-hop](#), on page 4376
- [set ipv6 default vrf next-hop verify-availability](#), on page 4377
- [set ipv6 next-hop](#), on page 4378
- [set ipv6 next-hop](#), on page 4379
- [set ipv6 next-hop](#), on page 4380
- [set ipv6 next-hop peer-address](#), on page 4381

- [set ipv6 next-hop redist-unchanged](#), on page 4382
- [set ipv6 next-hop unchanged](#), on page 4383
- [set ipv6 next-hop verify-availability](#), on page 4384
- [set ipv6 precedence](#), on page 4385
- [set ipv6 vrf next-hop](#), on page 4386
- [set ipv6 vrf next-hop verify-availability](#), on page 4387
- [set label-index](#), on page 4388
- [set large-community-list delete](#), on page 4389
- [set large-community none additive](#), on page 4390
- [set level level-1 level-1-2 level-2](#), on page 4391
- [set load-share](#), on page 4392
- [set load-share multipath-equal-group](#), on page 4393
- [set load-share multipath-unequal-group](#), on page 4394
- [set local-preference](#), on page 4395
- [set maximum-paths](#), on page 4396
- [set metric](#), on page 4397
- [set metric difference](#), on page 4398
- [set mpls-exp-topmost cos table exp-cos-map](#), on page 4399
- [set nssa-only](#), on page 4400
- [set origin egp igp incomplete](#), on page 4401
- [set outer ipv4](#), on page 4402
- [set outer l2](#), on page 4404
- [set outer l2 hg2](#), on page 4406
- [set outer l4](#), on page 4408
- [set pktrw](#), on page 4409
- [set service](#), on page 4415
- [set service](#), on page 4416
- [set service](#), on page 4417
- [set sideband](#), on page 4418
- [set srte-policy](#), on page 4421
- [set srte-policy name](#), on page 4422
- [set tag](#), on page 4423
- [set weight](#), on page 4424
- [setup](#), on page 4425
- [sflow](#), on page 4426
- [sflow](#), on page 4427
- [sflow data-source interface](#), on page 4428
- [sflow data-source interface](#), on page 4429
- [sflow extended bgp](#), on page 4430
- [sflow extended switch](#), on page 4431
- [shared-secret](#), on page 4432
- [show](#), on page 4433
- [show](#), on page 4434
- [show](#), on page 4435
- [show](#), on page 4436
- [show](#), on page 4440

- [show](#), on page 4444
- [show](#), on page 4450
- [show](#), on page 4451
- [show](#), on page 4452
- [show](#), on page 4453
- [show](#), on page 4454
- [show](#), on page 4455
- [shut](#), on page 4456
- [shutdown](#), on page 4457
- [shutdown](#), on page 4458
- [shutdown](#), on page 4459
- [shutdown](#), on page 4460
- [shutdown](#), on page 4461
- [shutdown](#), on page 4462
- [shutdown](#), on page 4463
- [shutdown](#), on page 4464
- [shutdown](#), on page 4465
- [shutdown](#), on page 4466
- [shutdown](#), on page 4467
- [shutdown](#), on page 4468
- [shutdown](#), on page 4469
- [shutdown](#), on page 4470
- [shutdown](#), on page 4471
- [shutdown](#), on page 4472
- [shutdown](#), on page 4473
- [shutdown](#), on page 4474
- [shutdown](#), on page 4475
- [shutdown](#), on page 4476
- [shutdown](#), on page 4477
- [shutdown](#), on page 4478
- [shutdown](#), on page 4479
- [shutdown](#), on page 4480
- [shutdown](#), on page 4481
- [shutdown](#), on page 4482
- [shutdown](#), on page 4483
- [shutdown](#), on page 4484
- [shutdown](#), on page 4485
- [shutdown](#), on page 4486
- [shutdown](#), on page 4487
- [shutdown](#), on page 4488
- [shutdown](#), on page 4489
- [shutdown](#), on page 4490
- [shutdown](#), on page 4491
- [shutdown](#), on page 4492
- [shutdown](#), on page 4493
- [shutdown](#), on page 4494

- shutdown, on page 4495
- shutdown, on page 4496
- shutdown, on page 4497
- shutdown, on page 4498
- shutdown force, on page 4499
- shutdown lan, on page 4500
- shutdown lan, on page 4501
- signing level, on page 4502
- site-id, on page 4503
- site-of-origin, on page 4504
- sleep, on page 4505
- sleep instance, on page 4506
- slot, on page 4507
- slot, on page 4508
- smtp-host smtp-port reply-to from, on page 4509
- snapshot create, on page 4510
- snapshot delete, on page 4511
- snapshot delete ALL, on page 4512
- snapshot section add, on page 4513
- snapshot section delete, on page 4514
- snmp-server aaa-user cache-timeout, on page 4515
- snmp-server community, on page 4516
- snmp-server community, on page 4517
- snmp-server contact, on page 4518
- snmp-server context, on page 4519
- snmp-server counter cache enable, on page 4520
- snmp-server counter cache timeout, on page 4521
- snmp-server drop unknown, on page 4522
- snmp-server enable traps, on page 4523
- snmp-server enable traps bgp, on page 4524
- snmp-server enable traps bgp cbgp2, on page 4525
- snmp-server enable traps bgp cbgp2 threshold prefix, on page 4526
- snmp-server enable traps bgp threshold prefix, on page 4527
- snmp-server enable traps eigrp, on page 4528
- snmp-server enable traps ospf, on page 4529
- snmp-server enable traps ospf lsa, on page 4530
- snmp-server enable traps ospf rate-limit, on page 4531
- snmp-server enable traps ospfv3, on page 4532
- snmp-server enable traps ospfv3 lsa, on page 4533
- snmp-server enable traps ospfv3 lsa, on page 4534
- snmp-server enable traps ospfv3 rate-limit, on page 4535
- snmp-server enable traps storm-control trap-rate, on page 4536
- snmp-server engineID local, on page 4537
- snmp-server globalEnforcePriv, on page 4538
- snmp-server host filter-vrf, on page 4539
- snmp-server host source, on page 4540

- [snmp-server host use-vrf](#), on page 4541
- [snmp-server local use-vrf](#), on page 4542
- [snmp-server location](#), on page 4543
- [snmp-server mib community-map context](#), on page 4544
- [snmp-server protocol enable](#), on page 4545
- [snmp-server source-interface informs](#), on page 4546
- [snmp-server source-interface traps](#), on page 4547
- [snmp-server system-shutdown](#), on page 4548
- [snmp-server tcp-session](#), on page 4549
- [snmp-server user](#), on page 4550
- [snmp-server user](#), on page 4552
- [snmp ifmib ifalias long](#), on page 4553
- [snmp trap link-status](#), on page 4554
- [snmp trap link-status](#), on page 4555
- [snmp trap link-status](#), on page 4556
- [snmp trap link-status](#), on page 4557
- [snmp trap link-status](#), on page 4558
- [snr threshold](#), on page 4559
- [snsr-grp sample-interval](#), on page 4560
- [sockets local-port-range](#), on page 4561
- [soft-reconfiguration inbound](#), on page 4562
- [sort](#), on page 4563
- [source-address ipv4](#), on page 4564
- [source-address ipv6](#), on page 4565
- [source-interface](#), on page 4566
- [source-interface](#), on page 4567
- [source-interface](#), on page 4568
- [source-interface](#), on page 4569
- [source-interface](#), on page 4570
- [source-interface](#), on page 4571
- [source-interface](#), on page 4572
- [source-interface](#), on page 4573
- [source-interface](#), on page 4574
- [source-interface](#), on page 4575
- [source-interface](#), on page 4576
- [source-interface hold-down-time](#), on page 4577
- [source](#), on page 4578
- [source](#), on page 4579
- [source](#), on page 4580
- [source](#), on page 4581
- [source](#), on page 4582
- [source](#), on page 4583
- [source](#), on page 4584
- [source](#), on page 4585
- [source](#), on page 4586
- [source](#), on page 4587

- source, on page 4588
- source copy-sys, on page 4589
- source destination, on page 4590
- source forward-drops, on page 4591
- source group permit, on page 4592
- source group permit, on page 4593
- source interface, on page 4594
- source interface, on page 4595
- source interface, on page 4596
- source ip, on page 4597
- source ipv4, on page 4598
- source ipv6, on page 4599
- source port, on page 4600
- source port, on page 4601
- source vlan, on page 4602
- source vlan, on page 4603
- source vsan, on page 4604
- spanning-tree bpdudfilter, on page 4605
- spanning-tree bpduguard, on page 4606
- spanning-tree bridge-domain, on page 4607
- spanning-tree bridge assurance, on page 4608
- spanning-tree cost, on page 4609
- spanning-tree cost auto, on page 4610
- spanning-tree domain, on page 4611
- spanning-tree domain clear statistics, on page 4612
- spanning-tree fcoe, on page 4613
- spanning-tree guard, on page 4614
- spanning-tree lc-issu, on page 4615
- spanning-tree lc-issu, on page 4616
- spanning-tree link-type, on page 4617
- spanning-tree loopguard default, on page 4618
- spanning-tree mode, on page 4619
- spanning-tree mst configuration, on page 4620
- spanning-tree mst configuration, on page 4621
- spanning-tree mst cost, on page 4622
- spanning-tree mst cost auto, on page 4623
- spanning-tree mst forward-time, on page 4624
- spanning-tree mst hello-time, on page 4625
- spanning-tree mst max-age, on page 4626
- spanning-tree mst max-hops, on page 4627
- spanning-tree mst port-priority, on page 4628
- spanning-tree mst pre-standard, on page 4629
- spanning-tree mst priority, on page 4630
- spanning-tree mst root, on page 4631
- spanning-tree mst simulate pvst, on page 4632
- spanning-tree mst simulate pvst global, on page 4633

- spanning-tree pathcost method, on page 4634
- spanning-tree port-priority, on page 4635
- spanning-tree port type, on page 4636
- spanning-tree port type edge bpdufilter default, on page 4637
- spanning-tree port type edge bpduguard default, on page 4638
- spanning-tree port type edge default, on page 4639
- spanning-tree port type edge trunk, on page 4640
- spanning-tree port type network default, on page 4641
- spanning-tree pseudo-information, on page 4642
- spanning-tree vlan, on page 4643
- spanning-tree vlan forward-time, on page 4644
- spanning-tree vlan hello-time, on page 4645
- spanning-tree vlan max-age, on page 4646
- spanning-tree vlan priority, on page 4647
- spanning-tree vlan root, on page 4648
- speed-group, on page 4649
- speed, on page 4650
- speed, on page 4651
- speed, on page 4652
- speed, on page 4653
- speed, on page 4654
- speed, on page 4655
- speed, on page 4656
- speed, on page 4657
- speed auto, on page 4658
- speed auto 100, on page 4659
- speed auto 100 1000, on page 4660
- speed auto 100 1000 2500 5000, on page 4661
- speed auto 100 1000, on page 4662
- speed auto 100, on page 4663
- speed auto 2500 5000 10000, on page 4664
- speed auto, on page 4665
- spf-interval, on page 4666
- spf-interval, on page 4667
- spf-interval, on page 4668
- spf hold, on page 4669
- split-horizon per-site, on page 4670
- sport, on page 4671
- sport, on page 4672
- src-intf, on page 4673
- srv6, on page 4674
- srv6, on page 4675
- ssh, on page 4676
- ssh6, on page 4677
- ssh, on page 4678
- ssh cipher-mode weak, on page 4679

- ssh ciphers aes256-gcm, on page 4680
- ssh idle, on page 4681
- ssh key, on page 4682
- ssh login-attempts, on page 4683
- ssh login-gracetime, on page 4684
- ssh port, on page 4685
- ssh rekey max-data max-time, on page 4686
- ssm disable, on page 4687
- ssm disable, on page 4688
- ssm disable, on page 4689
- ssx exporter, on page 4690
- ssx monitor, on page 4691
- ssx record, on page 4692
- ssx system monitor, on page 4693
- ssx system system-id, on page 4694
- stage-flow, on page 4695
- stage-flow, on page 4696
- standby, on page 4697
- start-threshold, on page 4698
- start, on page 4699
- start, on page 4700
- start, on page 4701
- start, on page 4702
- start, on page 4703
- start, on page 4704
- start, on page 4705
- start filter, on page 4706
- state, on page 4707
- state enabled, on page 4708
- static-pinning, on page 4709
- statistics, on page 4710
- statistics, on page 4711
- statistics, on page 4712
- statistics, on page 4713
- statistics per-entry, on page 4714
- statistics per-entry, on page 4715
- statistics per-entry, on page 4716
- statistics per-entry, on page 4717
- stats-reporting-period, on page 4718
- status, on page 4719
- status, on page 4720
- status, on page 4721
- status, on page 4722
- status, on page 4723
- status, on page 4724
- status, on page 4725

- [stop-threshold](#), on page 4726
- [stop filter](#), on page 4727
- [stopbits](#), on page 4728
- [stopbits 1](#), on page 4729
- [storm-ctrl multi](#), on page 4730
- [storm-control-cpu](#), on page 4731
- [storm-control](#), on page 4732
- [streetaddress](#), on page 4733
- [stub](#), on page 4734
- [subscription](#), on page 4735
- [summary-address](#), on page 4736
- [summary-address](#), on page 4737
- [summary-address](#), on page 4738
- [summary-address](#), on page 4739
- [suppress-arp](#), on page 4740
- [suppress-fib-pending](#), on page 4741
- [suppress-fib-pending](#), on page 4742
- [suppress-inactive](#), on page 4743
- [suppress-inactive](#), on page 4744
- [suppress-signaling-protocol ldp](#), on page 4745
- [suppress mac-route](#), on page 4746
- [suppress nd](#), on page 4747
- [switch-id](#), on page 4748
- [switch-latency](#), on page 4749
- [switch-latency](#), on page 4750
- [switch-priority](#), on page 4751
- [switch-profile](#), on page 4752
- [switch-profile](#), on page 4753
- [switch-role border-leaf](#), on page 4754
- [switchback](#), on page 4755
- [switching-mode fabric-speed 40g](#), on page 4756
- [switching-mode fast-to-slow-speed-cut-through](#), on page 4757
- [switching-mode store-forward](#), on page 4758
- [switchport](#), on page 4759
- [switchport](#), on page 4760
- [switchport access vlan](#), on page 4761
- [switchport access vlan](#), on page 4762
- [switchport access vlan](#), on page 4763
- [switchport access vlan](#), on page 4764
- [switchport autostate exclude](#), on page 4765
- [switchport backup interface](#), on page 4766
- [switchport backup interface](#), on page 4767
- [switchport backup interface multicast fast-convergence](#), on page 4768
- [switchport backup interface multicast fast-convergence](#), on page 4769
- [switchport backup interface preemption delay](#), on page 4770
- [switchport backup interface preemption delay](#), on page 4771

- [switchport backup interface preemption mode, on page 4772](#)
- [switchport backup interface preemption mode, on page 4773](#)
- [switchport beacon, on page 4774](#)
- [switchport block unicast, on page 4775](#)
- [switchport description, on page 4776](#)
- [switchport dot1q ether-type, on page 4777](#)
- [switchport dot1q ether-type, on page 4778](#)
- [switchport duplex, on page 4779](#)
- [switchport host, on page 4780](#)
- [switchport ignore bit-errors, on page 4781](#)
- [switchport isolated, on page 4782](#)
- [switchport mac-address static, on page 4783](#)
- [switchport mac-learn disable, on page 4784](#)
- [switchport mode, on page 4785](#)
- [switchport mode, on page 4786](#)
- [switchport mode, on page 4787](#)
- [switchport mode, on page 4788](#)
- [switchport mode, on page 4789](#)
- [switchport mode, on page 4790](#)
- [switchport mode, on page 4791](#)
- [switchport mode fabricpath, on page 4792](#)
- [switchport mode monitor buffer-limit, on page 4793](#)
- [switchport mode private-vlan, on page 4794](#)
- [switchport mode private-vlan, on page 4795](#)
- [switchport mode private-vlan trunk, on page 4796](#)
- [switchport mode private-vlan trunk, on page 4797](#)
- [switchport monitor, on page 4798](#)
- [switchport mtu, on page 4799](#)
- [switchport owner, on page 4800](#)
- [switchport port-security, on page 4801](#)
- [switchport port-security aging time, on page 4802](#)
- [switchport port-security aging type absolute, on page 4803](#)
- [switchport port-security mac-address, on page 4804](#)
- [switchport port-security mac-address sticky, on page 4805](#)
- [switchport port-security maximum, on page 4806](#)
- [switchport port-security violation, on page 4807](#)
- [switchport priority extend cos, on page 4808](#)
- [switchport private-vlan association trunk, on page 4809](#)
- [switchport private-vlan association trunk, on page 4810](#)
- [switchport private-vlan host-association, on page 4811](#)
- [switchport private-vlan host-association, on page 4812](#)
- [switchport private-vlan mapping, on page 4813](#)
- [switchport private-vlan mapping, on page 4814](#)
- [switchport private-vlan mapping trunk, on page 4815](#)
- [switchport private-vlan mapping trunk, on page 4816](#)
- [switchport private-vlan trunk allowed vlan, on page 4817](#)

- [switchport private-vlan trunk allowed vlan](#), on page 4818
- [switchport private-vlan trunk native vlan](#), on page 4819
- [switchport private-vlan trunk native vlan](#), on page 4820
- [switchport promiscuous-mode off](#), on page 4821
- [switchport speed](#), on page 4822
- [switchport speed](#), on page 4823
- [switchport trunk allow-multi-tag](#), on page 4824
- [switchport trunk allowed vlan](#), on page 4825
- [switchport trunk allowed vlan](#), on page 4826
- [switchport trunk allowed vsan](#), on page 4827
- [switchport trunk allowed vsan](#), on page 4828
- [switchport trunk l3-multicast receiver-vlan](#), on page 4829
- [switchport trunk mode](#), on page 4830
- [switchport trunk native vlan](#), on page 4831
- [switchport trunk native vlan](#), on page 4832
- [switchport trunk pruning vlan except add remove none all](#), on page 4833
- [switchport virtual-ethernet-bridge](#), on page 4834
- [switchport vlan mapping](#), on page 4835
- [switchport vlan mapping all](#), on page 4836
- [switchport vlan mapping all dot1q-tunnel](#), on page 4837
- [switchport vlan mapping dot1q-tunnel](#), on page 4838
- [switchport vlan mapping dot1q-tunnel allowed-vlan](#), on page 4839
- [switchport vlan mapping enable](#), on page 4840
- [switchport voice vlan](#), on page 4841
- [switchport voice vlan](#), on page 4842
- [switchto vdc](#), on page 4843
- [swwn](#), on page 4844
- [sync-peers destination](#), on page 4845
- [sync duration](#), on page 4846
- [sync duration range](#), on page 4847
- [sync interval](#), on page 4848
- [sync interval range](#), on page 4849
- [system-mac](#), on page 4850
- [system-priority](#), on page 4851
- [system](#), on page 4852
- [system acl-adjacency-sharing](#), on page 4853
- [system acl-adjacency-sharing](#), on page 4854
- [system acl](#), on page 4855
- [system auto-collect tech-support](#), on page 4856
- [system cores](#), on page 4857
- [system default interface-vlan autostate](#), on page 4858
- [system default interface](#), on page 4859
- [system default interface](#), on page 4860
- [system default link-fail laser-on](#), on page 4861
- [system default reset-dei](#), on page 4862
- [system default route-map validate-applied](#), on page 4863

- [system default switchport](#), on page 4864
- [system default switchport fabricpath](#), on page 4865
- [system default switchport shutdown](#), on page 4866
- [system default tx-credit double-queue](#), on page 4867
- [system default zone](#), on page 4868
- [system dot1q-tunnel transit](#), on page 4869
- [system fabric-mode full-rate](#), on page 4870
- [system fast-reload stabilization-timer](#), on page 4871
- [system flash sda resize](#), on page 4872
- [system hap-reset](#), on page 4873
- [system hap-reset](#), on page 4874
- [system health check bootflash](#), on page 4875
- [system heartbeat](#), on page 4876
- [system heartbeat](#), on page 4877
- [system high-multicast-priority](#), on page 4878
- [system inband cpu-mac log threshold rx tx](#), on page 4879
- [system interface shutdown](#), on page 4880
- [system jumbomtu](#), on page 4881
- [system login block-for](#), on page 4882
- [system login block-for attempts within](#), on page 4883
- [system login quiet-mode](#), on page 4884
- [system login quiet-mode access-class](#), on page 4885
- [system lpss monitor](#), on page 4886
- [system memory-thresholds minor severe critical](#), on page 4887
- [system mld snooping](#), on page 4888
- [system mode maintenance](#), on page 4889
- [system mode maintenance always-use-custom-profile](#), on page 4890
- [system mode maintenance maint-delay](#), on page 4891
- [system mode maintenance on-reload reset-reason](#), on page 4892
- [system mode maintenance snapshot-delay](#), on page 4893
- [system mode maintenance timeout](#), on page 4894
- [system modifications throttle](#), on page 4895
- [system module failure-action shutdown](#), on page 4896
- [system module failure-action shutdown multibit-parity](#), on page 4897
- [system mrouting](#), on page 4898
- [system multicast-priority](#), on page 4899
- [system multicast dcs-check](#), on page 4900
- [system multicast pvlan route-replication](#), on page 4901
- [system nve ecmp-reuse](#), on page 4902
- [system nve infra-vlans](#), on page 4903
- [system nve ingress-replication round-robin](#), on page 4904
- [system nve ipmc global index-size](#), on page 4905
- [system nve nat peer-ip](#), on page 4906
- [system pic-core](#), on page 4907
- [system poap](#), on page 4908
- [system poap](#), on page 4909

- [system private-vlan fex trunk](#), on page 4910
- [system pss shrink](#), on page 4911
- [system qos](#), on page 4912
- [system routing l3-scale](#), on page 4913
- [system routing unknown-unicast-flood](#), on page 4914
- [system routing vrf-aware-nat](#), on page 4915
- [system security compliance common-criteria](#), on page 4916
- [system security consent-token shell-access](#), on page 4917
- [system security sudo prompt-password](#), on page 4918
- [system server session cmd-timeout](#), on page 4919
- [system shutdown fan-direction mismatch](#), on page 4920
- [system simulate fan-presence](#), on page 4921
- [system software allow third-party](#), on page 4922
- [system standby manual-boot](#), on page 4923
- [system standby manual-boot](#), on page 4924
- [system startup-config init](#), on page 4925
- [system startup-config unlock](#), on page 4926
- [system statistics](#), on page 4927
- [system statistics](#), on page 4928
- [system storm-control multi-threshold](#), on page 4929
- [system storm-control priority-policy drop-l3](#), on page 4930
- [system switch-mode](#), on page 4931
- [system switchover](#), on page 4932
- [system tech-support blocked-commands](#), on page 4933
- [system timeout](#), on page 4934
- [system trace](#), on page 4935
- [system urpf disable](#), on page 4936
- [system vlan long-name](#), on page 4937
- [system vlan nve-overlay id](#), on page 4938
- [system vlan reserve](#), on page 4939
- [system vrf-member-change retain-l3-config](#), on page 4940
- [system watchdog](#), on page 4941
- [system watchdog](#), on page 4942
- [system watchdog kgdb](#), on page 4943
- [system watchdog kgdb](#), on page 4944

sak-expiry-time

[no] sak-expiry-time <ts>

Syntax Description

sak-expiry-time	Time in seconds to force SAK rekey
<i>ts</i>	time in seconds

Command Mode

- /exec/configure/macsec-policy

sak-rekey-time

[no] sak-rekey-time <ts>

Syntax Description

sak-rekey-time	Time in seconds to force SAK rekey
<i>ts</i>	time in seconds

Command Mode

- /exec/configure/tunenc-policy

sampling-rate prepost

[no] sampling-rate { pre-trigger <pre-sample-rate> } { post-trigger <post-sample-rate> }

Syntax Description

no	(Optional) Negate the command
sampling-rate	Configure sampling-rate parameters
pre-trigger	Pre-trigger parameters
<i>pre-sample-rate</i>	Transactions to be captured out of 16 samples (1-16)
post-trigger	Post-trigger parameters
<i>post-sample-rate</i>	Transactions to be captured out of 16 samples (1-16)

Command Mode

- /exec/configure/pkt-drop

sampling

sampling <sampling_range> | no sampling

Syntax Description

no	Negate a command or set its defaults
sampling	Set the sampling range for SPAN packets.
<i>sampling_range</i>	Sampling range: N = every Nth packet will be spanned

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

sampling rate

[no] sampling { rate <samplingrate> | microburst <mbrate> <mbpackets> }

Syntax Description

sampling	Specify sampling for buffer-drop
rate	Sampling rate for buffer-drop
<i>samplingrate</i>	sampling rate: 10 to 16777215. 1 for capture all
microburst	Microburst mode for buffer-drop
<i>mbrate</i>	Microburst rate. Actual value will be the nearest lower multiple of 122.
<i>mbpackets</i>	Microburst packets

Command Mode

- /exec/configure/config-buffer-drop-monitor

sampling rate

[no] sampling { rate <samplingrate> | microburst <mbrate> <mbpackets> }

Syntax Description

sampling	Specify sampling for buffer-latency
rate	Sampling rate for buffer-latency
<i>samplingrate</i>	sampling rate
microburst	Microburst mode for buffer-latency
<i>mbrate</i>	Microburst rate. Actual value will be the nearest lower multiple of 122.
<i>mbpackets</i>	Microburst packets

Command Mode

- /exec/configure/config-buffer-latency-monitor

sampling rate

[no] sampling rate <samplingrate>

Syntax Description

sampling	Specify sampling for INT Clone MD
rate	Sampling rate for INT Clone MD
<i>samplingrate</i>	sampling rate: 1 for capture all

Command Mode

- /exec/configure/config-int-clone-md-source-monitor

save

save <uri0>

Syntax Description

save	Save the current configuration session to uri
<i>uri0</i>	Enter the complete uri where the session is to be stored

Command Mode

- /exec/configure

save configuration load

{ save configuration | load } <uri0>

Syntax Description

save	Save the current configuration session to uri
load	Load the configuration
configuration	current configuration session
<i>uri0</i>	Enter file name

Command Mode

- /exec/configure

scale-factor module

[no] scale-factor <sf-value> module <module-number>

Syntax Description

no	(Optional) Negate a command or set its defaults
scale-factor	Scale factor
<i>sf-value</i>	Specify scale factor value from 0.10 to 2.00
module	Module
<i>module-number</i>	specify module number

Command Mode

- /exec/configure/ctrl-plane

scheduler aaa-authentication

```
{ scheduler aaa-authentication { password { 0 <s0> | 7 <s1> | <s2> } | username <s3> password { 01 <s4> | 71 <s5> | <s6> } } | no scheduler aaa-authentication { password [ { 0 <s0> | 7 <s1> | <s2> } ] | username <s3> password [ { 01 <s4> | 71 <s5> | <s6> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
aaa-authentication	Password for AAA authentication(of logged in user)
password	Specify the password of logged in user(for AAA authentication)
0	Password (clear text) of logged in user
s0	password (clear text) of logged in user
7	Encrypted password of logged in user
s1	Encrypted password (for AAA authentication)
s2	Password (clear text) of logged in user
username	logged in user name
s3	user name (for AAA authentication)
password	Specify the password of logged in user(for AAA authentication)
01	Password (clear text) of logged in user
s4	password (clear text) of logged in user
71	Encrypted password of logged in user
s5	Encrypted password (for AAA authentication)
s6	Password (clear text) of logged in user

Command Mode

- /exec/configure

scheduler job name

[no] scheduler job name <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
scheduler	Config commands for scheduler
job	Define a job
name	Specify a name for the job
s0	Name of the job

Command Mode

- /exec/configure

scheduler logfile size

{ scheduler logfile size <i0> | no scheduler logfile size [<i0>] }

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
logfile	Scheduler log file configuration
size	Specify the log file size
<i>i0</i>	Size of the file in KB

Command Mode

- /exec/configure

scheduler schedule name

[no] scheduler schedule name <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
scheduler	Config commands for scheduler
schedule	Define a schedule
name	Specify a name for the schedule
s0	Name of the schedule

Command Mode

- /exec/configure

scheduler transport email

```
{ scheduler transport email { from <s0> | reply-to <s1> | smtp-server <host0> [ port <i1> ] } | no scheduler transport email { from | reply-to | smtp-server } }
```

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
transport	Configure transport related configuration
email	Configure email transport related configuration
from	Configure from email address
<i>s0</i>	Provide from email address, example: SJ-9500-1@xyz.com
reply-to	Configure replyto email address
<i>s1</i>	Provide reply-to email address, example: admin@xyz.com
smtp-server	Configure SMTP server address
<i>host0</i>	SMTP server(DNS name or IPv4 or IPv6 address)
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port

Command Mode

- /exec/configure

schema

[no] schema <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
schema	PTP unicast-negotiation schema
s0	Name of schema

Command Mode

- /exec/configure/ptp-ucast-negotiation

scripting tcl init

scripting tcl init <uri0> | no scripting tcl init

Syntax Description

no	Negate a command or set its defaults
scripting	Configure scripting parameters
tcl	Specify scripting parameter for tcl
init	Specify init parameters
<i>uri0</i>	Tcl init script name

Command Mode

- /exec

scripting tcl recursion-limit

scripting tcl recursion-limit <limit> | no scripting tcl recursion-limit

Syntax Description

no	Negate a command or set its defaults
scripting	Configure scripting parameters
tcl	Specify scripting parameter for tcl
recursion-limit	Specify recursion-limit
<i>limit</i>	Specify limit

Command Mode

- /exec

sds module

sds module <module> <quoted-cmd>

Syntax Description

sds	silicon one debug shell
module	Module number of the linecard
<i>module</i>	Enter module number
<i>quoted-cmd</i>	script and args to run on debug shell

Command Mode

- /exec

sds module

sds module <module>

Syntax Description

sds	silicon one debug shell
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

section

| section <pattern>

Syntax Description

	Pipe command output to filter
section	show lines that include the pattern as well as the subsequent lines that are more indented than matching line
<i>pattern</i>	the pattern (regular expression) to match

Command Mode

- /output

secure-handoff

{ [no] secure-handoff }

Syntax Description

no	(Optional) Negate a command or set its defaults
secure-handoff	Confirm dynamic-eid discovery by probing for remote host

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

security-group

[no] security-group <grp-id> [reverse <rev-grp-id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
security-group	security-group
<i>grp-id</i>	forward security-group tag ID
reverse	(Optional) reverse
<i>rev-grp-id</i>	(Optional) reverse security-group tag ID

Command Mode

- /exec/configure/epbr/svc

security-group name

security-group <esg-id> name <esg-name> | no security-group <esg-id>

Syntax Description

no	Negate a command or set its defaults
security-group	Create security-group or enter security-group command mode
<i>esg-id</i>	Security-group tag ID
name	Security-group name
<i>esg-name</i>	Name of Security-group for current ESG tag ID

Command Mode

- /exec/configure

security-level

[no] security-level <seclvl>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>seclvl</i>	

Command Mode

- /exec/configure/config-snoop-policy

security-policy

[no] security-policy <policy>

Syntax Description

security-policy	Configure Security policy
<i>policy</i>	Security Policy options

Command Mode

- /exec/configure/masec-policy

sed

| sed [-n] + <expr>

Syntax Description

	Pipe command output to filter
sed	Stream Editor
-n	(Optional) suppress automatic printing of pattern space
<i>expr</i>	Edition command (script)

Command Mode

- /output

segment-list name

[no] segment-list name <seg-list-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-list	Explicit segment list configuration
name	Segment-list name
<i>seg-list-name</i>	Identifying name for the segment-list with max 64 characters

Command Mode

- /exec/configure/sr/te

segment-routing

[no] segment-routing

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Enable Segment Routing

Command Mode

- /exec/configure

segment-routing

[no] segment-routing

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Configure Traffic Engineering Segment Routing related configurations

Command Mode

- /exec/configure/sr/te

segment-routing mpls

[no] segment-routing mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment routing parameters
mpls	Enable segment routing MPLS

Command Mode

- /exec/configure/router-ospf

segment-routing mpls

[no] segment-routing mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment-routing properties
mpls	Configure MPLS parameters

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment-routing properties
srv6	Configure Segment-Routing for IPv6

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-af-ipv6

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

- /exec/configure/router-bgp

segment-routing traffic-engineering reoptimize

segment-routing traffic-engineering reoptimize [{ name <policy_name> } | { all }]

Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
reoptimize	Reoptimize path preference for policy
name	(Optional) Name of policy
all	(Optional) Reoptimize path preference for all policies
<i>policy_name</i>	(Optional) Enter name of the policy

Command Mode

- /exec

segment-routing traffic-engineering switch name preference

segment-routing traffic-engineering switch name <policy_name> preference <pref>

Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
switch	Switch path preference for policy
name	Name of policy
preference	Switch to a path preference for the policy
<i>policy_name</i>	Enter name of the policy
<i>pref</i>	Enter path option preference

Command Mode

- /exec

segment-routing traffic-engineering test bfd notif bsid session-id state

```
segment-routing traffic-engineering test bfd notif bsid <bsid_id> session-id <session_id> state <sess_state>
[ code <reason_code> ]
```

Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
test	Test commands
bfd	BFD test commands
notif	Fake a BFD notification
bsid	BSID the notification is for
<i>bsid_id</i>	BSID value
session-id	Session ID the notification is for
<i>session_id</i>	Session ID value
state	BFD session state
<i>sess_state</i>	Session State
code	(Optional) BFD session reason code
<i>reason_code</i>	(Optional) BFD session reason code value

Command Mode

- /exec

segments

[no] segments

Syntax Description

no	(Optional) Negate a command or set its defaults
segments	Candidate path-option segments

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint

segments

[no] segments

Syntax Description

no	(Optional) Negate a command or set its defaults
segments	Candidate path-option segments

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint

selection input

[no] selection input

Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

Command Mode

- /exec/configure/gnss-if/fsync

selection input

[no] selection input

Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

Command Mode

- /exec/configure/if-eth-base/fsync

selection input

[no] selection input

Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

Command Mode

- /exec/configure/clock-if/fsync

send-community

[no | default] send-community [both | standard]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
send-community	Send Community attribute to this neighbor
both	(Optional) Send Standard and Extended Community attributes
standard	(Optional) Send Standard Community attribute

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

send-community

[no | default] send-community [both | extended | standard]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
send-community	Send Community attribute to this neighbor
both	(Optional) Send Standard and Extended Community attributes
extended	(Optional) Send Extended Community attribute
standard	(Optional) Send Standard Community attribute

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

send-community extended

[no | default] send-community extended

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
send-community	Send Community attribute to this neighbor
extended	Send Extended Community attribute

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-evpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-link-state
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

send-id

{ send-id <sendid> | no send-id }

Syntax Description

no	Negate a command or set its defaults
send-id	Configure TCP-AO send-id
<i>sendid</i>	send identifier

Command Mode

- /exec/configure/tcpkeychain-key

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syyear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syyear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of tunnel encryption key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

Command Mode

- /exec/configure/tunnelcryptkeychain-key

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

Command Mode

- /exec/configure/keychain-key

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of macsec key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

Command Mode

- /exec/configure/macseckeychain-key

```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l

```
{ { send-lifetime [ local ] <stime> { smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f |
smonth_g | smonth_h | smonth_i | smonth_j | smonth_k | smonth_l } <sday> <syear> { duration <dsec> |
infinite | <etime> { emonth_a | emonth_b | emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h
| emonth_i | emonth_j | emonth_k | emonth_l } <eday> <eyear> } } | { no send-lifetime [ [ local ] <stime> {
smonth_a | smonth_b | smonth_c | smonth_d | smonth_e | smonth_f | smonth_g | smonth_h | smonth_i | smonth_j
| smonth_k | smonth_l } <sday> <syear> { duration <dsec> | infinite | <etime> { emonth_a | emonth_b |
emonth_c | emonth_d | emonth_e | emonth_f | emonth_g | emonth_h | emonth_i | emonth_j | emonth_k |
emonth_l } <eday> <eyear> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
send-lifetime	Set send lifetime of TCP-AO key
local	(Optional) Specify time in local timezone
<i>stime</i>	HH:MM:SS Time to start <0-23>:<0-59>:<0-59>
<i>etime</i>	HH:MM:SS Time to end <0-23>:<0-59>:<0-59>
smonth_a	
smonth_b	
smonth_c	
smonth_d	
smonth_e	
smonth_f	
smonth_g	
smonth_h	
smonth_i	
smonth_j	
smonth_k	


```
send-lifetime smonth_a smonth_b smonth_c smonth_d smonth_e smonth_f smonth_g smonth_h smonth_i smonth_j smonth_k smonth_l duration infinite
emonth_a emonth_b emonth_c emonth_d emonth_e emonth_f emonth_g emonth_h emonth_i emonth_j emonth_k emonth_l
```

smonth_l	
emonth_a	
emonth_b	
emonth_c	
emonth_d	
emonth_e	
emonth_f	
emonth_g	
emonth_h	
emonth_i	
emonth_j	
emonth_k	
emonth_l	
<i>sday</i>	Day of the month to start
<i>eday</i>	Day of the month to end
<i>syear</i>	Year to start
<i>eyear</i>	Year to end
duration	Set key lifetime duration
<i>dsec</i>	Duration in seconds
infinite	Never Expires

Command Mode

- /exec/configure/tcpkeychain-key

send

send <line>

Syntax Description

send	Send message to open sessions
<i>line</i>	Send message (a line) to all open sessions

Command Mode

- /exec

send session

send session <s0> <line>

Syntax Description

send	Send message to open sessions
session	Send message to specific session
<i>s0</i>	Specify pts/tty device type
<i>line</i>	Enter a one line message

Command Mode

- /exec

sender

[no] sender

Syntax Description

no	(Optional) Negate a command or set its defaults
sender	Policies for a Sender

Command Mode

- /exec/configure/nbm-host-policy

sender

[no] sender

Syntax Description

no	(Optional) Negate a command or set its defaults
sender	Policies for a Sender

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy

sensor-group

[no] sensor-group <sgrp-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
sensor-group	Create a sensor group
<i>sgrp-id</i>	Identifier

Command Mode

- /exec/configure/telemetry

sequence

{ [no] sequence <seq> | no sequence }

Syntax Description

sequence	Sequence Number
<i>seq</i>	Sequence Number value

Command Mode

- /exec/configure/config-int-exporter

sequence

{ [no] sequence <seq> | no sequence }

Syntax Description

sequence	Sequence Number
<i>seq</i>	Differentiated services codepoint value

Command Mode

- /exec/configure/config-postcard-exporter

server-key 0 7

```
{ { [ no ] server-key { 0 <s0> | 7 <s1> | <s2> } } | { no server-key } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
server-key	Encryption key shared with the radius clients
0	RADIUS shared secret(clear text)
<i>s0</i>	RADIUS shared secret(clear text)
7	RADIUS shared secret(encrypted)
<i>s1</i>	RADIUS shared secret(encrypted)
<i>s2</i>	RADIUS shared secret(clear text)(Max Size 63)

Command Mode

- /exec/configure/locsvr-da-radius

server

[no] server <host0>

Syntax Description

no	(Optional) Negate a command or set its defaults
server	LDAP server name
<i>host0</i>	LDAP server name

Command Mode

- /exec/configure/ldap

server

[no] server { <hostname> }

Syntax Description

no	(Optional) Negate a command or set its defaults
server	TACACS+ server name or IP address
<i>hostname</i>	IPV4/IPV6 address or DNS name

Command Mode

- /exec/configure/tacacs+

server

[no] server <hostname>

Syntax Description

no	(Optional) Negate a command or set its defaults
server	RADIUS server name or IP address
<i>hostname</i>	IPV4/IPV6 address or DNS name

Command Mode

- /exec/configure/radius

server protocol ldap

```
[no] server protocol ldap { ipv6 <ipv6addr> | ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ enable-ssl ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
server	Configure database server
protocol	Configure database protocol
ldap	Use LDAP
ipv6	IPv6 address of server
ip	IP address of server
<i>ipaddr</i>	Enter IP address of server
host	Hostname of server
<i>hostname</i>	Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
enable-ssl	(Optional) LDAP server enable ssl

Command Mode

- /exec/configure/fabric-db

server protocol radius group

[no] server protocol radius group <groupname>

Syntax Description

no	(Optional) Negate a command or set its defaults
server	Configure database server
protocol	Configure database protocol
radius	Use RADIUS
group	AAA group
<i>groupname</i>	Enter AAA group name of servers

Command Mode

- /exec/configure/fabric-db

server protocol xmpp ip

```
[no] server protocol xmpp { ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
server	Configure database server
protocol	Configure database protocol
xmpp	Use XMPP
ip	IP address of server
<i>ipaddr</i>	Enter IP address of server
host	Hostname of server
<i>hostname</i>	Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure/fabric-db

service-end-point interface

[no] service-end-point interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
interface	Service connectivity interface
<i>interface</i>	Interface

Command Mode

- /exec/configure/epbr/svc

service-end-point interface

[no] service-end-point interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
interface	Service connectivity interface
<i>interface</i>	Interface

Command Mode

- /exec/configure/epbr-sess/svc

service-end-point ip

[no] service-end-point { { ip <ip-addr> } | { ipv6 <ipv6-addr> } } [interface <interface>]

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Service connectivity interface
<i>ip-addr</i>	IPv4 address in format i.i.i.i
<i>interface</i>	(Optional) Interface

Command Mode

- /exec/configure/epbr/svc

service-end-point ip

```
[no] service-end-point { { ip <ip-addr> } | { ipv6 <ipv6-addr> } } [ interface <interface> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Service connectivity interface
<i>ip-addr</i>	IPv4 address in format i.i.i.i
<i>interface</i>	(Optional) Interface

Command Mode

- /exec/configure/epbr-sess/svc

service-interface

[no] service-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-interface	Interface through which all end-points of service are connected
<i>interface</i>	Interface

Command Mode

- /exec/configure/epbr/svc

service-list

[no] service-list <sl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name

Command Mode

- /exec/configure/mdns-ctrl-ser-pol

service-list in

[no] service-list <sl-name> { in | out }

Syntax Description

no	(Optional) Negate a command or set its defaults
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
in	Apply Service List in IN Bound Direction
out	Apply Service List in Out Bound Direction

Command Mode

- /exec/configure/mdns-ser-pol

service-name

[no] service-name <nxsdk-service-name> [profile { <nxsdk-profile-name> | <profile-name> }]

Syntax Description

service-name	Complete path and name of file to execute
<i>nxsdk-service-name</i>	Service name
profile	(Optional) Service profile
<i>nxsdk-profile-name</i>	(Optional) Name of the profile
<i>profile-name</i>	(Optional) Name of the profile

Command Mode

- /exec/configure/nxsdk-remote

service-policy-dynamic input

[no] service-policy-dynamic input <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy-dynamic	Attach a policy to control-plane interface
input	Input the policy name
<i>policy_name</i>	Name of the policy

Command Mode

- /exec/configure/ctrl-plane-dyn

service-policy

[no] service-policy [type qos] <pmap-name-qos>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Configure hierarchial policy-map
type	(Optional) Specify the type of this policy
qos	(Optional) Qos policy
<i>pmap-name-qos</i>	Policy-map name

Command Mode

- /exec/configure/policy-map/class

service-policy

service-policy <policy-name> | no service-policy <policy-name>

Syntax Description

no	Negate a command or set its defaults
service-policy	Configure Filter to export
<i>policy-name</i>	filter name

Command Mode

- /exec/configure/service-export

service-policy

[no] service-policy <policy-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	mDNS service policy
<i>policy-name</i>	mDNS service policy name

Command Mode

- /exec/configure/vlan-config/mdns-sd

service-policy

[no] service-policy [type qos] <inp-or-out> <pmap-name-qos> [no-stats]

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Configure service policy for an interface
type	(Optional) Specify the type of this policy
qos	(Optional) Qos policy
<i>inp-or-out</i>	
<i>pmap-name-qos</i>	Policy-map name __nil__ You must create a policy-map before using this command
no-stats	(Optional) Disable statistics for this policy

Command Mode

- /exec/configure/if-set-qos /exec/configure/if-remote-ethernet /exec/configure/if-remote-ethernet-switch /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-nve

service-policy input

[no] service-policy input <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Attach a policy to control-plane interface
input	Input the policy name
<i>policy_name</i>	Name of the policy

Command Mode

- /exec/configure/ctrl-plane

service-policy type network-qos

[no] service-policy type network-qos <pmap-name-nq>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
network-qos	Network QoS policy
<i>pmap-name-nq</i>	Policy-map name

Command Mode

- /exec/configure/system/qos

service-policy type qos

[no] service-policy type qos <inp-only> <pmap-name-qos>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
qos	System-level QoS policy
<i>inp-only</i>	
<i>pmap-name-qos</i>	Policy-map name __nil__ You must create a policy-map before using this command

Command Mode

- /exec/configure/system/qos

service-policy type queuing

[no] service-policy type queuing <pmap-name-que>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Set the inner policy-map
type	Specify the type of this policy
queuing	Queuing policy
<i>pmap-name-que</i>	Policy-map name __nil__ You must create a policy-map before using this command

Command Mode

- /exec/configure/policy-map/type/queuing/class

service-policy type queuing

[no] service-policy type queuing <inp-or-out> <pmap-name-que> [no-stats]

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Configure service policy for an interface
type	Specify the type of this policy
queuing	Queuing policy
<i>inp-or-out</i>	
<i>pmap-name-que</i>	Policy-map name
no-stats	(Optional) Disable statistics for this policy

Command Mode

- /exec/configure/if-set-que

service-policy type queuing

[no] service-policy type queuing <inp-or-out> <pmap-name-que>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
queuing	DCE Queuing policy
<i>inp-or-out</i>	
<i>pmap-name-que</i>	Policy-map name

Command Mode

- /exec/configure/system/qos

service-type

[no] service-type <ser-type>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-type	Specify Service-Type String
<i>ser-type</i>	Service Type String

Command Mode

- /exec/configure/mdns-ser-def

service announcement-count

[no] service announcement-count <count>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
announcement-count	Maximum Advertisements
<i>count</i>	Specify rate limit rate in pps (packets per second)

Command Mode

- /exec/configure/mdns-sd

service announcement-timer periodicity

[no] service announcement-timer periodicity <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
announcement-timer	Advertisements announce timer periodicity
periodicity	Specify Periodicity in Seconds
<i>interval</i>	Specify periodicity in Seconds

Command Mode

- /exec/configure/mdns-sd

service exclude-bootconfig

{ service exclude-bootconfig | no service exclude-bootconfig }

Syntax Description

no	Negate a command or set its defaults
service	Configure boot variables
exclude-bootconfig	exclude bootvar config from asciigen

Command Mode

- /exec/configure

service password-recovery

[no] service password-recovery

Syntax Description

no	(Optional) Negate a command or set its defaults
service	Service
password-recovery	Configure password-recovery option of console

Command Mode

- /exec/configure

service query-count

[no] service query-count <count>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
query-count	Maximum Queries
<i>count</i>	Specify Announcement Count

Command Mode

- /exec/configure/mdns-sd

service query-timer periodicity

[no] service query-timer periodicity <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
query-timer	Query Forward timer periodicity
periodicity	Specify Periodicity in Seconds
<i>interval</i>	Specify periodicity in Seconds

Command Mode

- /exec/configure/mdns-sd

service unsupported-transceiver

[no] service unsupported-transceiver

Syntax Description

no	(Optional) Negate a command or set its defaults
service	Serviceability Commands
unsupported-transceiver	Configure support for transceivers not supported by Cisco

Command Mode

- /exec/configure

session-limit

[no] session-limit <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
session-limit	Set the max no of concurrent vsh sessions
<i>i0</i>	Max concurrent vsh sessions

Command Mode

- /exec/configure/line

session domain-lookup

session domain-lookup | no session domain-lookup

Syntax Description

session	Configure session preferences
no	Negate a command or set its defaults
domain-lookup	Session

Command Mode

- /exec

session protection

```
[no] session protection [ vrf { <vrf-name> | <vrf-known-name> } ] [ for <pfx-list> ] [ duration { <secs> | infinite } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
session	Configure session parameters
protection	Configure session protection parameters
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
for	(Optional) Prefix list to specify LDP peers
<i>pfx-list</i>	(Optional) Prefix list for LDP peers
duration	(Optional) Period to sustain session protection after loss of link discovery
<i>secs</i>	(Optional) Holdup time in seconds
infinite	(Optional) Protect session forever after loss of link discovery

Command Mode

- /exec/configure/ldp

set-attached-bit

[no] set-attached-bit

Syntax Description

no	(Optional) Negate a command or set its defaults
set-attached-bit	Configure L1 L2 router to set/unset attached bit in its L1 LSP

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

set-overload-bit

{ no set-overload-bit | [no] set-overload-bit { always | on-startup { <secs> | <seconds> } } }

Syntax Description

no	Negate a command or set its defaults
set-overload-bit	Signal other routers not to use us for transit
always	Set the overload bit unconditionally
on-startup	Set the overload bit on IS-IS startup
<i>secs</i>	Clear the overload bit after an elapsed time in seconds
<i>seconds</i>	Clear the overload bit after an elapsed time in seconds

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

set-overload-bit

```
[no] set-overload-bit | [ no ] set-overload-bit { always | on-startup { <secs> | [ <seconds> ] wait-for bgp <as>
} } [ suppress { [ interlevel ] [ external ] } ]
```

Syntax Description

no	Negate a command or set its defaults
set-overload-bit	Signal other routers not to use us for transit
always	Set the overload bit unconditionally
on-startup	Set the overload bit on IS-IS startup
<i>secs</i>	Clear the overload bit after an elapsed time in seconds
wait-for	Clear the overload bit when notified by a specific protocol
bgp	Border Gateway Protocol (BGP)
<i>seconds</i>	(Optional) Clear the overload bit after an elapsed time in seconds
<i>as</i>	Autonomous system number
suppress	(Optional) Suppress route redistribution if overload bit set
interlevel	(Optional) Suppress interlevel route redistribution
external	(Optional) Suppress external route redistribution

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

set

```
[no] set { { dlb-disable } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | { dscp { { <dscp-val> | <dscp-enum> } } | { tunnel { <dscp-tunnel-val> | <dscp-tunnel-enum> } } } | { cos <cos-val> } | { qos-group <qos-grp-val> } | { mpls experimental { { topmost <exp-value> } | { imposition <exp-value-imp> } } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
dlb-disable	Disable Dynamic Load Balancing
precedence	Precedence in IP(v4) and IPv6 packets
prec-tunnel	(Optional) Set Precedence in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>prec-enum</i>	
dscp	DSCP in IP(v4) and IPv6 packets
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
tunnel	Set DSCP in tunnel encapsulation
<i>dscp-tunnel-val</i>	DSCP value
<i>dscp-tunnel-enum</i>	
cos	IEEE 802.1Q Class of Service
<i>cos-val</i>	802.1Q Class of Service value
qos-group	Qos-group
<i>qos-grp-val</i>	
mpls	Set MPLS label
experimental	Set MPLS experimental label
topmost	Set MPLS topmost label
imposition	Push the label and set new one on top
<i>exp-value</i>	MPLS value
<i>exp-value-imp</i>	MPLS value

Command Mode

- /exec/configure/policy-map/class

set

```
[no] set { { cos [ inner ] <cos-val> } | { dscp [ tunnel ] { <dscp-val> | <opt_set_dscp> } } | { precedence [
tunnel1 ] { <prec-val> | <opt_set_prec> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
inner	(Optional) Set inner 802.1Q class of service in QinQ environment
<i>cos-val</i>	802.1Q Class of Service value
dscp	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) Set DSCP in tunnel encapsulation
<i>dscp-val</i>	DSCP value
<i>opt_set_dscp</i>	
precedence	Precedence in IP(v4) and IPv6 packets
tunnel1	(Optional) Set DSCP in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>opt_set_prec</i>	

Command Mode

- /exec/configure/pmap/class

set

set <paramname> <paramval>

Syntax Description

set	Set the parameter value
<i>paramname</i>	Enter the name of the parameter
<i>paramval</i>	Enter the parameter value

Command Mode

- /exec/configure/param-inst

set

```
[no] set { { discard-class <dis-class-val> } | { { cos1 cos2 } | { dscp1 dscp2 } | { prec1 prec2 } | { dis-class1
dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | { mpls-exp-topmost1
mpls-exp-topmost2 } } table <table-map-name> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos1	IEEE 802.1Q class of service
cos2	IEEE 802.1Q class of service
dscp1	DSCP in IP(v4) and IPv6 packets
dscp2	DSCP in IP(v4) and IPv6 packets
prec1	Precedence in IP(v4) and IPv6 packets
prec2	Precedence in IP(v4) and IPv6 packets
discard-class	Discard class
dis-class1	Discard class
dis-class2	Discard class
<i>dis-class-val</i>	Discard class value
table	Table defining mapping from input to output
<i>table-map-name</i>	Table-map name
dscp3	DSCP in IP(v4) and IPv6 packets
mpls-exp-imposition	mpls-exp-imposition
mpls-exp-topmost	mpls-exp-topmost
dscp4	DSCP in IP(v4) and IPv6 packets
mpls-exp-topmost1	mpls-exp-topmost
mpls-exp-topmost2	mpls-exp-topmost

Command Mode

- /exec/configure/policy-map/class

set

[no] set { load-sharing per-packet }

Syntax Description

set	Set attribute
load-sharing	Load sharing across ECMP by set out-of-order bit
per-packet	per MiM packet
no	(Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/policy-map/class

set

```
[no] set { { cos <cos-val> } | { eth-src-mac-addr <src-mac-addr> } | { eth-dest-mac-addr <dest-mac-addr> }
| { vlan <vlan-number> } | { ip-tos <ip-tos-value> <ip-tos-mask> } | { out-interface <iface-list> } | { dscp [
tunnel ] { <dscp-val> | <dscp-enum> } } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | {
discard-class <dis-class-val> } | { qos-group <qos-grp-val> } | { { { cos1 cos2 } | { dscp1 dscp2 } | { prec1
prec2 } | { dis-class1 dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | {
mpls-exp-topmost1 mpls-exp-topmost2 } } } | { mpls experimental { { topmost <exp-value> } | { imposition
<exp-value-imp> } } } | action-strip-vlan | action-drop-pkt | divert-action | copy-action | action-decrement-ttl
| forward-normal | goto-pmap <pmap-table-handle> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
cos1	IEEE 802.1Q class of service
cos2	IEEE 802.1Q class of service
<i>cos-val</i>	802.1Q Class of Service value
eth-dest-mac-addr	Action on Layer 2 destination MAC address
eth-src-mac-addr	Action on Layer 2 source MAC address
<i>src-mac-addr</i>	Layer 2 MAC Address
<i>dest-mac-addr</i>	Layer 2 MAC Address
vlan	Set the VLAN ID
<i>vlan-number</i>	VLAN NUMBER
ip-tos	Set the IPv4 TOS
<i>ip-tos-value</i>	IPv4 TOS Value
<i>ip-tos-mask</i>	IPV4 TOS Mask
out-interface	Output to a Specified Interface
<i>iface-list</i>	Physical Interface Name and Number or List
action-strip-vlan	Perform the action STRIP-VLAN-ID
action-drop-pkt	Perform the action Drop the Packet
divert-action	Divert the packets to Controller
copy-action	Copy the packets to Controller

action-decrement-ttl	Decrement TTL on the Packet
forward-normal	Forward the packets normally
goto-pmap	Goto pmap/table
<i>pmap-table-handle</i>	Pmap-table handle
dscp	DSCP in IP(v4) and IPv6 packets
dscp1	DSCP in IP(v4) and IPv6 packets
dscp2	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) Set DSCP in tunnel encapsulation
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
precedence	Precedence in IP(v4) and IPv6 packets
prec1	Precedence in IP(v4) and IPv6 packets
prec2	Precedence in IP(v4) and IPv6 packets
prec-tunnel	(Optional) Set Precedence in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>prec-enum</i>	
discard-class	Discard class
dis-class1	Discard class
dis-class2	Discard class
<i>dis-class-val</i>	Discard class value
qos-group	Qos-group
<i>qos-grp-val</i>	Qos-group value
mpls	Set MPLS label
experimental	Set MPLS experimental label
topmost	Set MPLS topmost label
imposition	Push the label and set new one on top
<i>exp-value</i>	MPLS value
<i>exp-value-imp</i>	MPLS value
dscp3	DSCP in IP(v4) and IPv6 packets

mpls-exp-imposition	mpls-exp-imposition
mpls-exp-topmost	mpls-exp-topmost
dscp4	DSCP in IP(v4) and IPv6 packets
mpls-exp-topmost1	mpls-exp-topmost
mpls-exp-topmost2	mpls-exp-topmost

Command Mode

- /exec/configure/policy-map/type/plc/class

set aigp-metric difference

{ set aigp-metric difference <value> } | { no set aigp-metric difference [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
aigp-metric	Set Accumulated Igp-Metric for destination routing protocol
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

Command Mode

- /exec/configure/route-map

set aigp-metric igp-cost

```
{ set aigp-metric { <metric-value> | igp-cost } } | { no set aigp-metric [ { <metric-value> | igp-cost } ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
aigp-metric	Set Accumulated Igp-Metric for destination routing protocol
<i>metric-value</i>	[+/-] Accumulated Igp-Metric value
igp-cost	Enables BGP to evaluate Accumulated Igp-Metric based on igp-cost

Command Mode

- /exec/configure/route-map

set as-path-length difference

{ set as-path-length difference <value> } | { no set as-path-length difference [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path-length	as-path-length value
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

Command Mode

- /exec/configure/route-map

set as-path none remote-as local-as

{ set as-path { none | { <asn> | remote-as | local-as } + } } | { no set as-path { none | { <asn> | remote-as | local-as } + } }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	for a BGP AS-path manipulation attribute
none	Set Empty AS-path
<i>asn</i>	<AA4> where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
remote-as	set aspath with remote-as
local-as	set aspath with local-as

Command Mode

- /exec/configure/route-map

set as-path prepend last-as tag

```
{ set as-path { prepend { last-as <lastas> | <as> + } | tag } } | { no set as-path { prepend [ last-as [ <lastas> ] | <as> + ] | tag } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	Prepend string for a BGP AS-path attribute
prepend	Prepend to the AS-Path
last-as	Prepend last AS to the as-path
<i>lastas</i>	number of last-AS prepends
<i>as</i>	AS number
tag	Set the tag as an AS-path attribute

Command Mode

- /exec/configure/route-map

set as-path replace private-as

```
{ set as-path replace [ <asn> + ] { <asn_trail> | private-as } [ with { <r_asn> | remote-as | none } ] } | { no set as-path replace }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	Prepend string for a BGP AS-path attribute
replace	Replace the AS-path attribute
<i>asn</i>	(Optional) <AA4>, where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
<i>asn_trail</i>	<AA4>, where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
private-as	Replace private-as range
with	(Optional) replace with remote-as or asn
<i>r_asn</i>	(Optional) AS number
remote-as	(Optional) replace asn with remote-as
none	(Optional) remove the matched asn

Command Mode

- /exec/configure/route-map

set comm-list delete

```
{ { set comm-list <name> delete } | { no set comm-list } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
comm-list	set BGP community list (for deletion)
<i>name</i>	Community list name
delete	Delete matching communities

Command Mode

- /exec/configure/route-map

set cos

[no] set cos <cos-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
<i>cos-val</i>	802.1Q Class of Service value

Command Mode

- /exec/configure/policy-map/type/uf/class

set cos

[no] set cos <cos-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q Class of Service
<i>cos-val</i>	802.1Q Class of Service value

Command Mode

- /exec/configure/policy-map/type/queuing/class

set dampening

```
{ set dampening <halflife> <reuse> <supress> <duration> } | { no set dampening [ <halflife> <reuse> <supress> <duration> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
dampening	Set BGP route flap dampening parameters
<i>halflife</i>	half-life time for the penalty
<i>reuse</i>	penalty to start reusing a route
<i>supress</i>	penalty to start suppressing a route
<i>duration</i>	Maximum duration to suppress a stable route

Command Mode

- /exec/configure/route-map

set distance

{ set distance <external-dist> [<internal-dist> [<local-dist>]] } | { no set distance }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
distance	Set the Administrative distance of route
<i>external-dist</i>	Administrative distance for IGP or EBGP routes
<i>internal-dist</i>	(Optional) Administrative distance for internal routes
<i>local-dist</i>	(Optional) Administrative distance for local routes

Command Mode

- /exec/configure/route-map

set esi all

{ { set esi { all-zeroes | unchanged } } | { no set esi [all-zeroes | unchanged] } }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
esi	Ethernet Segment Identifier
all-zeroes	Set ESI to all-zeroes
unchanged	ESI setting will remain unchanged

Command Mode

- /exec/configure/route-map

set evpn gateway-ip

set evpn gateway-ip { <addr> | use-nexthop } | no set evpn gateway-ip [<addr> | use-nexthop]

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
evpn	Set BGP EVPN Routes
gateway-ip	Set gateway IP for type 5 EVPN routes
use-nexthop	Use nexthop address as gateway IP
<i>addr</i>	Gateway IP address
<i>use-nexthop</i>	(Optional)

Command Mode

- /exec/configure/route-map

set extcomm-list delete

```
{ { set extcomm-list <name> delete } | { no set extcomm-list [ <name> delete ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcomm-list	set BGP extcommunity list (for deletion)
<i>name</i>	Extended Community list name
delete	Delete matching extcommunities

Command Mode

- /exec/configure/route-map

set extcommunity 4byteas-generic transitive additive

```
{ set extcommunity 4byteas-generic { { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } + [ additive ] | additive | none } } | { no set extcommunity 4byteas-generic [ {
transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } + [ additive ] | additive | none
] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
4byteas-generic	Generic extended community
additive	(Optional) Add to existing generic extcommunity
none	No extcommunity generic attribute
transitive	Transitive extended community
non-transitive	Non-Transitive extended community
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
<i>additive</i>	transitive
<i>additive</i>	(Optional) <ext-comm-gen-trans>

Command Mode

- /exec/configure/route-map

set extcommunity bandwidth

{ set extcommunity bandwidth <bw-value> } | { no set extcommunity bandwidth [<bw-value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
bandwidth	Link-bandwidth extended community
<i>bw-value</i>	Rate in Mbps (bandwidth)

Command Mode

- /exec/configure/route-map

set extcommunity color

```
{ set extcommunity color <color-value> [ co-flag <co-flag-value> ] } | { no set extcommunity color [ <color-value> [ co-flag [ <co-flag-value> ] ] ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
color	Color Extended Community
co-flag	(Optional) Color only (CO) flags bits setting (default 00)
<i>color-value</i>	Color Community value
<i>co-flag-value</i>	(Optional) Set the value of the Color-Only bits field in the community

Command Mode

- /exec/configure/route-map

set extcommunity cost

```
{ set extcommunity cost { [ igp | pre-bestpath ] <comm-id> <cost-value> } + } | { no set extcommunity cost
[ [ igp | pre-bestpath ] <comm-id> <cost-value> ] + }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
cost	Cost
igp	(Optional) Compare following IGP cost comparison
pre-bestpath	(Optional) Compare before all other steps in bestpath calculation
<i>comm-id</i>	Community ID
<i>cost-value</i>	Cost Community value
<i>igp</i>	(Optional) pre-bestpath
<i>comm-id</i>	(Optional) <cost-value>

Command Mode

- /exec/configure/route-map

set extcommunity evpn rmac

```
{ set extcommunity evpn rmac <mac-addr> } | { no set extcommunity evpn rmac <mac-addr> }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
evpn	EVPN Extended Community
rmac	Router MAC
<i>mac-addr</i>	MAC address

Command Mode

- /exec/configure/route-map

set extcommunity rt additive

```
{ set extcommunity rt { { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } + [ additive ] | additive } } | {
no set extcommunity rt [ { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } + [ additive ] | additive ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
rt	Route-Target
additive	(Optional) Add to existing rt extcommunity
<i>ext-comm-rt-aa2nn4</i>	Extcommunity number
<i>ext-comm-rt-aa4nn2</i>	Extcommunity number
<i>ext-comm-rt-aa2nn4</i>	(Optional) <ext-comm-rt-aa4nn2>

Command Mode

- /exec/configure/route-map

set filter ip

```
set filter <seqno> ip { src-ip <src-ip> dst-ip <dst-ip> [ protocol <prot> [ l4-src-port { any | <l4-src-port> }
l4-dst-port { any | <l4-dst-port> } ] ] } +
```

Syntax Description

set	Setup a 5-tuple filter
filter	Define a 5-tuple filter
<i>seqno</i>	Sequence number
ip	Configure IPv4 Filter
src-ip	Source IPv4 address
<i>src-ip</i>	Source IPv4 address with prefix
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IPv4 address with prefix
protocol	(Optional) Protocol
<i>prot</i>	(Optional)
l4-src-port	(Optional) Source L4 port
any	(Optional) Any L4 source port between 0 - 65535
<i>l4-src-port</i>	(Optional) Enter Source L4 port number
l4-dst-port	(Optional) Destination L4 port
any	(Optional) Any L4 destination port between 0 - 65535
<i>l4-dst-port</i>	(Optional) Enter Destination L4 port number

Command Mode

- /exec/flow-path-tracer

set filter ipv6

```
set filter <seqno> ipv6 { src-ipv6 <src-ipv6> dst-ipv6 <dst-ipv6> [ protocol <prot> [ l4-src-port { any | <l4-src-port> } l4-dst-port { any | <l4-dst-port> } ] ] } +
```

Syntax Description

set	Setup a 5-tuple filter
filter	Define a 5-tuple filter
<i>seqno</i>	Sequence number
ipv6	Configure IPv6 Filter
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
protocol	(Optional) Protocol
<i>prot</i>	(Optional)
l4-src-port	(Optional) Source L4 port
any	(Optional) Any L4 source port between 0 - 65535
<i>l4-src-port</i>	(Optional) Source L4 port number
l4-dst-port	(Optional) Destination L4 port
any	(Optional) Any L4 destination port between 0 - 65535
<i>l4-dst-port</i>	(Optional) Destination L4 port number

Command Mode

- /exec/flow-path-tracer

set forwarding-address

[no] set forwarding-address

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
forwarding-address	Set the forwarding address

Command Mode

- /exec/configure/route-map

set inner ipv4

```
set inner ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset
ttl	(Optional) Time to Live

<i>ttl_val</i>	(Optional) Time to Live
<i>next-protocol</i>	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
<i>checksum</i>	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
<i>src_ip</i>	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
<i>dst_ip</i>	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel4

set inner ipv4

set { inner | outer } ipv4 [{ l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> }] +

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset

<code>ttl</code>	(Optional) Time to Live
<code>ttl_val</code>	(Optional) Time to Live
<code>next-protocol</code>	(Optional) Next(L4) Protocol
<code>nproto</code>	(Optional) Next(L4) Protocol
<code>checksum</code>	(Optional) Checksum
<code>csum</code>	(Optional) Checksum
<code>src_ip</code>	(Optional) Source IP Address
<code>sip</code>	(Optional) Source IP Address
<code>dst_ip</code>	(Optional) Destination IP Address
<code>dip</code>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel6

set inner l2

```
set { inner | outer } l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id>
| cos <cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif>
| vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid

<i>vntag_pointer</i>	(Optional) VNTAG Header Pointer Valid
<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/se15

set inner l2

```
set inner l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> | cos
<cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif> |
vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid
vntag_pointer	(Optional) VNTAG Header Pointer Valid

<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/se14

set inner l2 hg2

```
set { inner | outer } l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror>
| hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched

hg2_tc	(Optional) High Gig2 Packet Traffic Class
<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
hg2_dp	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
hg2_mcast	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
hg2-vld	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
hg2-cos	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/se15

set inner l2 hg2

```
set inner l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror> |
hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched
hg2_tc	(Optional) High Gig2 Packet Traffic Class

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/sel4

set inner l4

```
set inner l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags <flag_val>
} ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l4	L4 Fields
src-port	(Optional) Source Port Information
<i>sport</i>	(Optional) Source Port
dst-port	(Optional) Destination Port Information
<i>dport</i>	(Optional) Destination Port
packet-len	(Optional) Packet Length
<i>pkt_len</i>	(Optional) Packet Length
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
flags	(Optional) L4 Flags
<i>flag_val</i>	(Optional) L4 Flags

Command Mode

- /exec/elanms/setl4

set inner l4

```
set { inner | outer } l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags
<flag_val> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l4	L4 Fields
src-port	(Optional) Source Port Information
<i>sport</i>	(Optional) Source Port
dst-port	(Optional) Destination Port Information
<i>dport</i>	(Optional) Destination Port
packet-len	(Optional) Packet Length
<i>pkt_len</i>	(Optional) Packet Length
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
flags	(Optional) L4 Flags
<i>flag_val</i>	(Optional) L4 Flags

Command Mode

- /exec/elanms/se17

set interface

[no] set interface <i>iface</i>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
interface	Output interface
<i>iface</i>	Interface name

Command Mode

- /exec/configure/route-map

set interval find-new-host

[no] set interval find-new-host <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set vmtracker options
interval	Set the polling interval
find-new-host	Set interval for the new host searching timer
<i>val</i>	The host search interval value in seconds (0 to disable)

Command Mode

- /exec/configure/vmt-conn

set interval sync-full-info

[no] set interval sync-full-info <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set vmtracker options
interval	Set the polling interval
sync-full-info	Set interval for syncing complete info from host
val	The sync info interval value in seconds (0 to disable)

Command Mode

- /exec/configure/vmt-conn

set ip address prefix-list

[no] set ip address prefix-list <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
address	Specify IP address
prefix-list	IP prefix-list
<i>name</i>	Name of prefix list

Command Mode

- /exec/configure/route-map

set ip default next-hop

[no] set ip default next-hop [recursive] { load-share | <addr1> + [load-share] }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
default	Set default next-hop
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
load-share	Enables load sharing

Command Mode

- /exec/configure/route-map

set ip default next-hop verify-availability

```
[no] set ip default next-hop verify-availability { <addr> [ track <object_id> ] } [ load-share ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
default	Set default next-hop
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>addr</i>	IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ip default vrf next-hop

```
[no] set ip default vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { load-share | <addr1> + [ load-share ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>addr1</i>	IP address of next hop
load-share	Enables load sharing
<i>load-share</i>	(Optional)

Command Mode

- /exec/configure/route-map

set ip default vrf next-hop verify-availability

[no] set ip default vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>addr</i>	IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop [ recursive ] { { <addr1>+ [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop { <addr1> srte-policy { name <name-value> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop { <addr1> srte-policy { color <color-value> [ endpoint <endpoint-value> ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	(Optional) Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	(Optional) IPv4 endpoint address

Command Mode

- /exec/configure/route-map

set ip next-hop peer-address

[no] set ip next-hop peer-address

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
peer-address	Use peer address (for BGP only)

Command Mode

- /exec/configure/route-map

set ip next-hop redistrib-unchanged

[no] set ip next-hop redistrib-unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
redistrib-unchanged	Use unchanged address during redistribution (for BGP session only)

Command Mode

- /exec/configure/route-map

set ip next-hop unchanged

[no] set ip next-hop unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
unchanged	Use unchanged address (for eBGP session only)

Command Mode

- /exec/configure/route-map

set ip next-hop verify-availability

```
[no] set ip next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>addr1</i>	(Optional) IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set ip precedence

```
{ set ip precedence { <value> | <name> } } | { no set ip precedence [ <value> | <name> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
precedence	Set precedence field
<i>value</i>	Precedence value
<i>name</i>	Precedence value

Command Mode

- /exec/configure/route-map

set ip vrf next-hop

```
[no] set ip vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { { <addr1> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
vrf	Use VRF
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	force-order

Command Mode

- /exec/configure/route-map

set ip vrf next-hop verify-availability

```
[no] set ip vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
vrf	Use VRF
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
<i>addr1</i>	(Optional) IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set ipv6 address prefix-list

[no] set ipv6 address prefix-list <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
address	Specify IP address
prefix-list	IPv6 prefix-list
<i>name</i>	Name of prefix list

Command Mode

- /exec/configure/route-map

set ipv6 default next-hop

[no] set ipv6 default next-hop [recursive] { load-share | <addr1> + [load-share] }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
default	Set default next-hop
next-hop	Next hop address
load-share	Enables load sharing
<i>addr1</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 default next-hop verify-availability

[no] set ipv6 default next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
default	Set default next-hop
verify-availability	Verify the reachability of the tracked object
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ipv6 default vrf next-hop

```
[no] set ipv6 default vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { load-share | <addr1> +
[ load-share ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
load-share	Enables load sharing
<i>load-share</i>	(Optional)
<i>addr1</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 default vrf next-hop verify-availability

```
[no] set ipv6 default vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { <addr> [ track <object_id> ] } [ load-share ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
verify-availability	Verify the reachability of the tracked object
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

```
[no] set ipv6 next-hop { <addr1> srte-policy { name <name-value> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

```
[no] set ipv6 next-hop { { <addr> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop ipv6 address
load-share	(Optional) Enables load sharing
force-order	(Optional) Enables Next-hop ordering as per cli
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>addr</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

```
[no] set ipv6 next-hop { <addr1> srte-policy { color <color-value> [ endpoint <endpoint-value> ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	(Optional) Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	(Optional) IPv4 endpoint address

Command Mode

- /exec/configure/route-map

set ipv6 next-hop peer-address

[no] set ipv6 next-hop peer-address

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
peer-address	Use peer address (for BGP only)

Command Mode

- /exec/configure/route-map

set ipv6 next-hop redist-unchanged

[no] set ipv6 next-hop redist-unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
redist-unchanged	Use unchanged address during redistribution (for BGP session only)

Command Mode

- /exec/configure/route-map

set ipv6 next-hop unchanged

[no] set ipv6 next-hop unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
unchanged	Use unchanged address (for eBGP session only)

Command Mode

- /exec/configure/route-map

set ipv6 next-hop verify-availability

```
[no] set ipv6 next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set ipv6 precedence

```
{ set ipv6 precedence { <value> | <name> } } | { no set ipv6 precedence [ <value> | <name> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
precedence	Set precedence field
<i>value</i>	Precedence value
<i>name</i>	Precedence value

Command Mode

- /exec/configure/route-map

set ipv6 vrf next-hop

```
[no] set ipv6 vrf { <vrf-name> | <vrf-known-name> } next-hop { { <addr> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
vrf	Use VRF
next-hop	Next hop ipv6 address
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
load-share	(Optional) Enables load sharing
force-order	(Optional) Enables Next-hop ordering as per cli
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	force-order
<i>addr</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 vrf next-hop verify-availability

```
[no] set ipv6 vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { [ <addr1> [ track
<object_id> ] ] { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share
] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [
force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
vrf	Use VRF
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set label-index

{ { set label-index <value> } | { no set label-index [<value>] } }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
label-index	Set Segment Routing (SR) label index of route
<i>value</i>	Segment Routing (SR) label index

Command Mode

- /exec/configure/route-map

set large-community-list delete

```
{ { set large-community-list <name> delete } | { no set large-community-list [ <name> delete ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
large-community-list	Set BGP large community list (for deletion)
<i>name</i>	Large community list name
delete	Delete matching large communities

Command Mode

- /exec/configure/route-map

set large-community none additive

```
{ set large-community { none | { additive | <large-comm-xyyyz> } + } } | { no set large-community [ { none | { additive | <large-comm-xyyyz> } + } ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
large-community	Set BGP large community attribute
additive	Add to existing large community
none	No large community attribute
<i>large-comm-xyyyz</i>	Large Community number in xx:yy:zz format
<i>large-comm-xyyyz</i>	(Optional) additive

Command Mode

- /exec/configure/route-map

set level level-1 level-1-2 level-2

{ set level { level-1 | level-1-2 | level-2 } } | { no set level [level-1 | level-1-2 | level-2] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
level	Where to import route
level-1	Import into a level-1 area
level-1-2	Import into level-1 and level-2
level-2	Import into level-2 sub-domain

Command Mode

- /exec/configure/route-map

set load-share

```
{ set load-share <value> } | { no set load-share [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
<i>value</i>	Load-share value

Command Mode

- /exec/configure/route-map

set load-share multipath-equal-group

{ set load-share multipath-equal-group <value> } | { no set load-share multipath-equal-group [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
multipath-equal-group	Load-share value for Multipath Equal Group
<i>value</i>	Load-share value

Command Mode

- /exec/configure/route-map

set load-share multipath-unequal-group

```
{ set load-share multipath-unequal-group <value> } | { no set load-share multipath-unequal-group [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
multipath-unequal-group	Load-share value for Multipath Unequal Group
<i>value</i>	Load-share value

Command Mode

- /exec/configure/route-map

set local-preference

{ set local-preference <pref> | no set local-preference [<pref>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
local-preference	BGP local preference path attribute
<i>pref</i>	Preference value

Command Mode

- /exec/configure/route-map

set maximum-paths

{ set maximum-paths <value> } | { no set maximum-paths [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
maximum-paths	Maximum path allowed in destination routing protocol
<i>value</i>	Maximum path value

Command Mode

- /exec/configure/route-map

set metric

```
{ set metric <metric0> [ <metric1> <metric2> <metric3> <metric4> ] } | { no set metric [ <metric0> [ <metric1> <metric2> <metric3> <metric4> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
metric	Set metric for destination routing protocol
<i>metric0</i>	[+/-] Metric value or Bandwidth in Kbits per second
<i>metric1</i>	(Optional) IGRP delay metric
<i>metric2</i>	(Optional) IGRP reliability metric where 255 is 100% reliable
<i>metric3</i>	(Optional) IGRP Effective bandwidth metric (Loading) 255 is 100%
<i>metric4</i>	(Optional) IGRP MTU of the path

Command Mode

- /exec/configure/route-map

set metric difference

{ set metric difference <value> } | { no set metric difference [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
metric	Set metric for destination routing protocol
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

Command Mode

- /exec/configure/route-map

set mpls-exp-topmost cos table exp-cos-map

[no] set mpls-exp-topmost cos table exp-cos-map

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
mpls-exp-topmost	MPLS experimental topmost
cos	IEEE 802.1Q Class of Service
table	Table map
exp-cos-map	Exp to cos table map name (reserved)

Command Mode

- /exec/configure/policy-map/type/queuing/class

set nssa-only

[no] set nssa-only

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
nssa-only	OSPF NSSA Areas

Command Mode

- /exec/configure/route-map

set origin egp igp incomplete

{ set origin { egp | igp | incomplete } } | { no set origin [{ egp | igp | incomplete }] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
origin	BGP origin code
egp	remote EGP
igp	local IGP
incomplete	unknown heritage

Command Mode

- /exec/configure/route-map

set outer ipv4

```
set outer ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more- frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <src_ip> | dst_ip <dst_ip> } ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset
ttl	(Optional) Time to Live

<i>ttl_val</i>	(Optional) Time to Live
<i>next-protocol</i>	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
<i>checksum</i>	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
<i>src_ip</i>	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
<i>dst_ip</i>	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel3

set outer l2

```
set outer l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> | cos
<cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif> |
vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid
vntag_pointer	(Optional) VNTAG Header Pointer Valid

<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/sel3

set outer l2 hg2

```
set outer l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror> |
hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2_vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched
hg2_tc	(Optional) High Gig2 Packet Traffic Class

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/sel3

set outer l4

```
set outer l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags <flag_val>
} ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l4	L4 Fields
src-port	(Optional) Source Port Information
<i>sport</i>	(Optional) Source Port
dst-port	(Optional) Destination Port Information
<i>dport</i>	(Optional) Destination Port
packet-len	(Optional) Packet Length
<i>pkt_len</i>	(Optional) Packet Length
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
flags	(Optional) L4 Flags
<i>flag_val</i>	(Optional) L4 Flags

Command Mode

- /exec/elanms/sel3

set pkrw

```
set pkrw { mcast <mcast> | sup_redir <sured> | bcm_proxy <bcm_proxy> | excep_case <excep> | transit
<trans> | vpc_df <vpc_df> | src_tep_idx <src_tep> | lat_update <lat_update> | lat_idx <lat_idx> | src_class
<sclass> | ol_fb_met <ol_fb_met> | ol_fb_vpath <ol_fb_vpath> | ol_dre <ol_dre> | ol_vpath <ol_vpath> |
ol_dp <ol_dp> | ol_sp <ol_sp> | ol_e <ol_e> | ol_dl <ol_dl> | ol_lb <ol_lb> | ol_mark <ol_mark> | ol_udp_sp
<ol_udp_sp> | ol_ftag <ol_ftag> | ol_segid <ol_segid> | ol_ttl <ol_ttl> | ol_ecn <ol_ecn> | ol_dscp <ol_dscp>
| ol_de <ol_de> | ol_cos <ol_cos> | ol_mac <ol_mac> | ol_encap_idx <ol_encap> | ol_vpc <ol_vpc> | ol_idx
<ol_idx> | ttl <ttl> | dscp <dscp> | vlan1 <vlan1> | ecn_coi <ecn_coi> | ecn_cio <ecn_cio> | ttl_coi <ttl_coi>
| ttl_cio <ttl_cio> | adj_idx <adj_idx> | vntag_svif <vntag_svif> | de <de> | cos <cos> | vlan0 <vlan0> | adj_vld
<adj_vld> | uc_routed <uc_routed> | loopback <lpb> | ecn <ecn> | hg2_vid <hg2_vlan> | hg2_ppd <hg2_ppd>
| hg2_tc_sup_copy <hg2_tcscopy> | hg2_tc <hg2_tc> | hg2_lbid <hg2_lbid> | hg2_opc <hg2_opc> | hg2_dstpid
<hg2_dpidd> | hg2_srcpid <hg2_spidd> | hg2_dstmod <hg2_dmod> | hg2_srcmod <hg2_smod> | op_inner
<op_inner> | op_qtag <op_qtag> | op_vntag <op_vntag> | op_outer <op_outer> | pkt_type <pkt_type> | drop
<drp> | pkt_tstamp <pkt_tstamp> | tstamp <tstamp> | cap_tstamp <cap_tstamp> | len_info <len_info> | len_type
<len_type> | pktid <pktid> | srcid <srcid> | pktfmt1 <pktfmt1> | pktfmt0 <pktfmt0> | hg2_cos <hg2_cos> }
+
```

Syntax Description

set	Setup Trigger
pkrw	All packet re-write fields
mcast	mcast
<i>mcast</i>	Mcast
sup_redir	Sup Redirect
<i>sured</i>	Sup Redirect
bcm_proxy	Broadcom Proxy
<i>bcm_proxy</i>	Broadcom Proxy
excep_case	Excep_case
<i>excep</i>	Excep_case
transit	Transit
<i>trans</i>	Transit
vpc_df	VPC_df
<i>vpc_df</i>	VPC_df
src_tep_idx	Src TEP Index
<i>src_tep</i>	Src TEP Index
lat_update	Lat Update

<i>lat_update</i>	Lat Update
lat_idx	Lat Index
<i>lat_idx</i>	Lat Index
src_class	Source Class
<i>sclass</i>	Source Class
ol_fb_met	Ol_fb_metric
<i>ol_fb_met</i>	Ol_fb_metric
ol_fb_vpath	Ol_fb_vpath
<i>ol_fb_vpath</i>	Ol_fb_vpath
ol_dre	Ol_dre
<i>ol_dre</i>	Ol_dre
ol_vpath	Ol_vpath
<i>ol_vpath</i>	Ol_vpath
ol_dp	Ol_dp
<i>ol_dp</i>	Ol_dp
ol_sp	Ol_sp
<i>ol_sp</i>	Ol_sp
ol_e	Ol_e
<i>ol_e</i>	Ol_e
ol_dl	Ol_dl
<i>ol_dl</i>	Ol_dl
ol_lb	Ol_lb
<i>ol_lb</i>	Ol_lb
ol_mark	Ol_mark
<i>ol_mark</i>	Ol_mark
ol_udp_sp	Ol_UDP_sp
<i>ol_udp_sp</i>	Ol UDP Source Port
ol_ftag	Ol_ftag
<i>ol_ftag</i>	Ol_ftag

ol_segid	Ol_segid
<i>ol_segid</i>	Ol_segid
ol_ttl	Ol_TTL
<i>ol_ttl</i>	Ol_TTL
ol_ecn	Ol_ecn
<i>ol_ecn</i>	Ol_ecn
ol_dscp	Ol_dscp
<i>ol_dscp</i>	Ol_dscp
ol_de	Ol_de
<i>ol_de</i>	Ol_de
ol_cos	Ol_cos
<i>ol_cos</i>	Ol_cos
ol_mac	Ol_mac
<i>ol_mac</i>	Ol_mac
ol_encap_idx	Ol_encap_idx
<i>ol_encap</i>	Ol_encap_idx
ol_vpc	Ol_VPC
<i>ol_vpc</i>	Ol_VPC
ol_idx	Ol_idx
<i>ol_idx</i>	Ol_idx
ttl	TTL
<i>ttl</i>	TTL
dscp	DSCP
<i>dscp</i>	DSCP
vlan1	Vlan1
<i>vlan1</i>	Vlan1
ecn_coi	ecn_coi
<i>ecn_coi</i>	ecn_coi
ecn_cio	ecn_cio

<i>ecn_cio</i>	ecn_cio
ttl_coi	ttl_coi
<i>ttl_coi</i>	ttl_coi
ttl_cio	ttl_cio
<i>ttl_cio</i>	ttl_cio
adj_idx	adj_idx
<i>adj_idx</i>	adj_idx
vntag_svif	vntag_svif
<i>vntag_svif</i>	vntag_svif
de	de
<i>de</i>	de
cos	cos
<i>cos</i>	cos
vlan0	vlan0
<i>vlan0</i>	vlan0
adj_vld	adj_vld
<i>adj_vld</i>	adj_vld
uc_routed	uc_routed
<i>uc_routed</i>	uc_routed
loopback	loopback
<i>lpb</i>	loopback
ecn	ecn
<i>ecn</i>	ecn
hg2_vid	High Gig2 VLAN Tag
<i>hg2_vlan</i>	High Gig2 VLAN Tag Information
hg2_cos	High Gig2 CoS Information
<i>hg2_cos</i>	High Gig2 CoS Information
hg2_ppd	High Gig2 Packet Processing Descriptor
<i>hg2_ppd</i>	High Gig2 Packet Processing Descriptor

hg2_tc_sup_copy	High Gig2 Traffic Class SUP Copy
<i>hg2_tcscopy</i>	High Gig2 Traffic Class SUP Copy
hg2_tc	High Gig2 Packet Traffic Class
<i>hg2_tc</i>	High Gig2 Packet Traffic Class
hg2_lbid	High Gig2 Packet Ibid
<i>hg2_lbid</i>	High Gig2 Packet Ibid
hg2_opc	High Gig2 Packet Type
<i>hg2_opc</i>	High Gig2 Packet Type
hg2_dstpid	High Gig2 Destination Port ID
<i>hg2_dpid</i>	High Gig2 Destination Port ID
hg2_dstmod	High Gig2 Destination Module ID
<i>hg2_dmod</i>	High Gig2 Destination Module ID
hg2_srcpid	High Gig2 Source Port ID
<i>hg2_spid</i>	High Gig2 Source Port ID
hg2_srcmod	High Gig2 Souce Module ID
<i>hg2_smod</i>	High Gig2 Souce Module ID
op_inner	Op_inner
<i>op_inner</i>	Op_inner
op_outer	Op_outer
<i>op_outer</i>	Op_outer
op_qtag	Op_qtag
<i>op_qtag</i>	Op_qtag
op_vntag	Op_vntag
<i>op_vntag</i>	Op_vntag
pkt_type	Pkt_type
<i>pkt_type</i>	Pkt_type
drop	Drop
<i>drp</i>	Drop
pkt_tstamp	Packet timestamp

<i>pkt_tstamp</i>	Packet timestamp
tstamp	Timestamp
<i>tstamp</i>	Timestamp
cap_tstamp	Capture Timestamp
<i>cap_tstamp</i>	Capture Timestamp
len_info	Len_info
<i>len_info</i>	Len_info
len_type	Len_type
<i>len_type</i>	Len_type
pktid	Pkt_id
<i>pktid</i>	Pkt_id
srcid	Src_id
<i>srcid</i>	Src_id
pktfmt1	Pktfmt1
<i>pktfmt1</i>	Pktfmt1
pktfmt0	Pktfmt0
<i>pktfmt0</i>	Pktfmt0

Command Mode

- /exec/elanms/outsel0

set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

Command Mode

- /exec/configure/epbr-sess-policy/action

set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

Command Mode

- /exec/configure/epbr-policy/action

set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

Command Mode

- /exec/configure/config-epbr-svc-chain

set sideband

```
set sideband { span_vec <span_vec> | bounce <bnc> | mclast <mclast> | mcastcurptr <mccurptr> | mcastcurptr_v
<mccurptr_v> | srcport <sport> | vlan <vlan> | segwgt <segwgt> | segid <segid> | seglocal <seglcl> | gbw_color
<gbw_color> | gbw_tag <gbw_tagg> | fwddrp <fwddrp> | l2fld <l2fld> | nodrp <nodrp> | ovrlyidx <ovrlyidx>
| ecncap <ecncap> | cpu <cpu> | store_fwd <stfwd> | mcast <mcast> | oclass <ocls> | iclass <icls> | odest_v
<odest_v> | odest <odest> | ovec <ovec> | span_trans <span_trans> | lbtype <lbtype> | lbena <lbena> | tdmid
<tdmid> | pktid <pktid> | srcid <srcid> | eoferror <eoferr> | eofbytes <eofby> | eof <eof> | sof <sof> } +
```

Syntax Description

set	Setup Trigger
sideband	All sideband fields
span_vec	SPAN vector
<i>span_vec</i>	SPAN vector
bounce	Bounce
<i>bnc</i>	Bounce
mclast	Mclast
<i>mclast</i>	Mclast
mcastcurptr	Mcast cur ptr
<i>mccurptr</i>	Mcast cur ptr
mcastcurptr_v	Mcast cur ptr v
<i>mccurptr_v</i>	Mcast cur ptr v
srcport	Source Port
<i>sport</i>	Source Port
vlan	Vlan
<i>vlan</i>	Vlan
segwgt	Segwgt
<i>segwgt</i>	Segwgt
segid	Segid
<i>segid</i>	Segid
seglocal	Seglocal
<i>seglcl</i>	Seglocal

gbw_color	GBW color
<i>gbw_color</i>	GBW color
gbw_tag	GBW tagged
<i>gbw_tagg</i>	GBW tagged
fwddrp	Forward drop
<i>fwddrp</i>	Forward drop
l2fld	L2 Flood
<i>l2fld</i>	L2 Flood
nodrp	No drop
<i>nodrp</i>	No drop
ovrlyidx	Overlay index
<i>ovrlyidx</i>	Overlay index
ecncap	ECN Capable
<i>ecncap</i>	ECN Capable
cpu	CPU
<i>cpu</i>	CPU
store_fwd	Store_fwd
<i>stfwd</i>	Store_fwd
mcast	Multicast
<i>mcast</i>	Multicast
oclass	Output class
<i>ocls</i>	Output class
iclass	Input class
<i>icls</i>	Input class
odest_v	Odest_v
<i>odest_v</i>	Odest_v
odest	Odest
<i>odest</i>	Odest
ovec	Ovector

<i>ovec</i>	Ovector
span_trans	SPAN transit
<i>span_trans</i>	SPAN transit
lbtype	Lbtype
<i>lbtype</i>	Lbtype
lbena	Lbenable
<i>lbena</i>	Lbenable
tdmid	Tdmid
<i>tdmid</i>	Tdmid
pktid	Pkt_id
<i>pktid</i>	Pkt_id
srcid	Src_id
<i>srcid</i>	Src_id
eoferror	EOF error
<i>eoferr</i>	EOF erro
eofbytes	EOF bytes
<i>eofby</i>	EOF bytes
eof	EOF
<i>eof</i>	EOF
sof	SOF
<i>sof</i>	SOF

Command Mode

- /exec/elanms/outsel5

set srte-policy

[no] set srte-policy { color <color-value> endpoint <endpoint-value> }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	IPv4 endpoint address

Command Mode

- /exec/configure/route-map

set srte-policy name

```
[no] set srte-policy { name <name-value> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

Command Mode

- /exec/configure/route-map

set tag

```
{ { set tag <value> } | { no set tag [ <value> ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
tag	Tag value for destination routing protocol
<i>value</i>	Tag value

Command Mode

- /exec/configure/route-map

set weight

```
{ set weight <count> | no set weight [ <count> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
weight	BGP weight for routing table
<i>count</i>	Weight value

Command Mode

- /exec/configure/route-map

setup

setup

Syntax Description

setup	Run the basic SETUP command facility
-------	--------------------------------------

Command Mode

- /exec

sflow

```
sflow { [ sampling-rate <rate> ] | [ max-sampled-size <pkt-size> ] | [ counter-poll-interval <interval> ] | [
max-datagram-size <dgram-size> ] | [ collector-ip { <dst-ip> | <dst-ipv6> } vrf { <vrf-name> |
<vrf-known-name> } [ source { <src-ip> | <src-ipv6> } ] ] | [ collector-port <dst-port> ] | [ agent-ip { <agent-ip>
| <agent-ipv6> } ] }
```

Syntax Description

sflow	change sFlow global settings
sampling-rate	(Optional) sFlow Sampling Rate
<i>rate</i>	(Optional)
max-sampled-size	(Optional) sFlow Sampled Size
<i>pkt-size</i>	(Optional) sFlow Sampled Size
counter-poll-interval	(Optional) sFlow Counter Poll Interval
<i>interval</i>	(Optional) sFlow Counter Poll Interval
max-datagram-size	(Optional) sFlow Datagram Size
<i>dgram-size</i>	(Optional) sFlow Datagram Size
collector-ip	(Optional) sFlow Collector IP address
<i>dst-ip</i>	(Optional) sFlow Collector IPv4 address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source IP address to send to sFlow Collector
<i>src-ip</i>	(Optional) Source IP address to send to sFlow Collector
collector-port	(Optional) sFlow Collector UDP port
<i>dst-port</i>	(Optional) sFlow Collector UDP port
agent-ip	(Optional) sFlow Agent IP address
<i>agent-ip</i>	(Optional) sFlow Agent IP address

Command Mode

- /exec/configure

sflow

```
[no] sflow { sampling-rate | max-sampled-size | counter-poll-interval | max-datagram-size | collector-ip [ { <dst-ip> | <dst-ipv6> } vrf { <vrf-name> | <vrf-known-name> } ] | collector-port | agent-ip }
```

Syntax Description

no	Negate a command or set its defaults
sflow	change sFlow global settings
sampling-rate	sFlow Sampling Rate
max-sampled-size	sFlow Sampled Size
counter-poll-interval	sFlow Counter Poll Interval
max-datagram-size	sFlow Datagram Size
collector-ip	sFlow Collector IP address
<i>dst-ip</i>	(Optional) sFlow Collector IPv4 address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
collector-port	sFlow Collector UDP port
agent-ip	sFlow Agent IP address

Command Mode

- /exec/configure

sflow data-source interface

sflow data-source interface { <ifnum> | <pcifnum> }

Syntax Description

sflow	change sFlow global settings
data-source	sFlow Data Source
interface	sFlow Data Source Interface
<i>ifnum</i>	sFlow Data Source Interface
<i>pcifnum</i>	sFlow Data Source Interface

Command Mode

- /exec/configure

sflow data-source interface

[no] sflow data-source interface { <ifnum> | <pcifnum> }

Syntax Description

no	Negate a command or set its defaults
sflow	change sFlow global settings
data-source	sFlow Data Source
interface	sFlow Data Source Interface
<i>ifnum</i>	sFlow Data Source Interface
<i>pcifnum</i>	sFlow Data Source Interface

Command Mode

- /exec/configure

sflow extended bgp

[no] sflow extended bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
sflow	change sFlow global settings
extended	sFlow extended flow records
bgp	sFlow extended bgp flow

Command Mode

- /exec/configure

sflow extended switch

[no] sflow extended switch

Syntax Description

no	(Optional) Negate a command or set its defaults
sflow	change sFlow global settings
extended	sFlow extended flow records
switch	sFlow extended switch flow

Command Mode

- /exec/configure

shared-secret

```
[no] shared-secret { 10 <clear> | 7 <encrypted> | <secret> } [ user <user> password { 0 <clear> | 7 <encrypted> | <password> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
shared-secret	Shared-secret
<i>secret</i>	Enter shared-secret in clear text
10	password in clear text
<i>clear</i>	Password in clear text
7	Password that follows should be in encrypted text
<i>encrypted</i>	Encrypted password
user	(Optional) User Name
<i>user</i>	(Optional) Enter user name
password	(Optional) Password
<i>password</i>	(Optional) Enter password in clear text
0	(Optional) Password that follows should be in clear text
<i>clear</i>	(Optional) Password in clear text
7	(Optional) Password that follows should be in encrypted text
<i>encrypted</i>	(Optional) Encrypted password

Command Mode

- /exec/configure/fabric-db/server-radius

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elanms/outsel0

show

show [pending]

Syntax Description

show	Display region configurations
pending	(Optional) Display the new mst configuration to be applied

Command Mode

- /exec/configure/spanning-tree/mst/configuration

show

```
show { consistency-checker l2 module <modnum> | forwarding consistency l2 <modnum> } [ __readonly__
<status> [ <l2entry> [ TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>
]] [ <l2entry_ext> [ TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>
]]]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Forwarding information
consistency	consistency
l2	Verify l2 mac programming in the hardware
module	Module number
<i>modnum</i>	Module Number
<i>__readonly__</i>	(Optional)
<i>status</i>	(Optional) Result of Consistency Checker
<i>l2entry</i>	(Optional) L2 entry
<i>l2entry_ext</i>	(Optional) L2 entry string
TABLE_mac_address	(Optional) Mac address table

Command Mode

- /exec

show

```
show { { ipv6 eigrp [ <eigrp-ptag> ] { topology | route } [ <ipv6-prefix> | active | summary | pending |
zero-successors | detail-links | all-links ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } | { ip eigrp [
<eigrp-ptag> ] { topology | route } [ { <address> <mask> } | <prefix> | active | summary | pending |
zero-successors | detail-links | all-links ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } [ __readonly__
TABLE_asn <asn> [ <router_id> ] TABLE_vrf [ <vrf> ] [ <head_serial> <next_serial> <route_count>
<replies_pending> <dummies> <eigrp_name> <num_if> <num_neighbors> <num_active_if> [ {
TABLE_quiescent_if <ifname> } ] ] [ { TABLE_ent { <ip_prefix> | <ipv6_prefix> } <active>
<num_successors> <feasible_distance> [ <tag> ] [ <send_flag> ] [ <xmit_serno> <xmit_refcount>
<xmit_anchored> ] <outstd_replies> [ <active_time> ] <query_origin> [ <retry_count> ] [ <act_min_time>
<act_max_time> <act_avg_time> <act_count> ] [ <peers_sia_stuck> ] [ { TABLE_succ { <s_nexthop> |
<s_v6nexthop> } <s_ifname> { <s_origin> | <s_v6origin> } [ <s_send_flag_hex> ] [ { TABLE_urib <state>
<best> <up_to_date> <pending_updates> <wait_for_notify> <reply_pending> } ] [ <s_metric> ] [
<s_succ_metric> ] [ <s_external> ] <s_reply_status> [ <s_bandwidth> <s_delay> <s_reliability> <s_load>
<s_min_mtu> <s_hop_count> <s_int_tag> ] [ <s_sia_status> ] [ <s_ext_routerid> <s_ext_asn> <s_ext_proto>
<s_ext_metric> <s_ext_admin_tag> ] [ <s_exterior_flag> ] [ <s_send_flag> ] [ <s_xmit_serno> ] [
<s_xmit_anchored> ] } ] [ { TABLE_reply_status { <rs_ipaddr> | <rs_ipv6addr> } <rs_ifname> } ] [ {
TABLE_sia_status { <ss_ipaddr> | <ss_ipv6addr> } <ss_ifname> } ] ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
topology	IP-EIGRP Topology Table
route	IP-EIGRP internal routes
<i>address</i>	(Optional) Network to display information about
<i>mask</i>	(Optional) Network mask
<i>prefix</i>	(Optional) IP prefix <network>/<length>, e.g., 192.168.0.0/16
active	(Optional) Show only active entries
summary	(Optional) Show a summary of the topology table

<i>pending</i>	(Optional) Show only entries pending transmission
<i>zero-successors</i>	(Optional) Show only zero successor entries
<i>detail-links</i>	(Optional) Show all links in topology table with details
<i>all-links</i>	(Optional) Show all links in topology table
<i>__readonly__</i>	(Optional)
<i>TABLE_asn</i>	(Optional) AS number table
<i>asn</i>	(Optional) AS number
<i>router_id</i>	(Optional) Router-ID
<i>TABLE_vrf</i>	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
<i>head_serial</i>	(Optional) Head of transmit DNDB thread
<i>next_serial</i>	(Optional) Next serial number to use
<i>route_count</i>	(Optional) Number of Routes in the topology table
<i>replies_pending</i>	(Optional) Number of replies pending
<i>dummies</i>	(Optional) Dummies
<i>eigrp_name</i>	(Optional) EIGRP ddb name
<i>num_if</i>	(Optional) Number of interfaces in this AS
<i>num_neighbors</i>	(Optional) Number of EIGRP neighbors in this AS
<i>num_active_if</i>	(Optional) Number of active interfaces
<i>TABLE_quiescent_if</i>	(Optional) Quiescent Interfaces table
<i>ifname</i>	(Optional) Interface name
<i>TABLE_ent</i>	(Optional) Table entry
<i>ip_prefix</i>	(Optional) IP prefix
<i>ipv6_prefix</i>	(Optional) IPv6 prefix
<i>active</i>	(Optional) Route Active?
<i>num_successors</i>	(Optional) Number of successors for the dndb
<i>feasible_distance</i>	(Optional) Feasible Distance
<i>tag</i>	(Optional) Administrator tag value
<i>send_flag</i>	(Optional) Send Flag

<i>xmit_serno</i>	(Optional) Xmit serial number
<i>xmit_refcount</i>	(Optional) xmit ref count (Number of active senders)
<i>xmit_anchored</i>	(Optional) Xmit anchored?
<i>outstd_replies</i>	(Optional) Number of Outstanding replies
<i>active_time</i>	(Optional) Active route timestamp
<i>query_origin</i>	(Optional) Query origin
<i>retry_count</i>	(Optional) Number of retries done on the active DNDB
<i>act_min_time</i>	(Optional) Shortest time the destination was active
<i>act_max_time</i>	(Optional) Longest time the destination was active
<i>act_avg_time</i>	(Optional) Average time the destination was active
<i>act_count</i>	(Optional) Active count
<i>peers_sia_stuck</i>	(Optional) Number of peers stuck in SIA
TABLE_succ	(Optional) Successor table
<i>s_nexthop</i>	(Optional) Next hop IPv4 address
<i>s_v6nexthop</i>	(Optional) IPv6 next hop address
<i>s_ifname</i>	(Optional) Interface this route info came in on
<i>s_origin</i>	(Optional) Origin(IPv4) of this DRDB
<i>s_v6origin</i>	(Optional) Origin(IPv6) of this DRDB
<i>s_send_flag_hex</i>	(Optional) DRDB Send flag in hex
TABLE_urib	(Optional) DRDB URIB info table
<i>state</i>	(Optional) DRDB URIB state
<i>best</i>	(Optional) DRDB URIB best
<i>up_to_date</i>	(Optional) DRDB URIB uptodate
<i>pending_updates</i>	(Optional) Pending updates
<i>wait_for_notify</i>	(Optional) Waiting for notify?
<i>reply_pending</i>	(Optional) Pending replies
<i>s_metric</i>	(Optional) Composite metric value for the route
<i>s_succ_metric</i>	(Optional) Composite metric (successor's view) for the route
<i>s_external</i>	(Optional) Route is external?

<i>s_reply_status</i>	(Optional) Reply status flag
<i>s_bandwidth</i>	(Optional) Minimum bandwidth of the path
<i>s_delay</i>	(Optional) Total delay of the path
<i>s_reliability</i>	(Optional) Reliability
<i>s_load</i>	(Optional) Load
<i>s_min_mtu</i>	(Optional) Minimum mtu of the path
<i>s_hop_count</i>	(Optional) Number of hops to reach the destination network
<i>s_int_tag</i>	(Optional) Internal tag
<i>s_sia_status</i>	(Optional) SIA status flag
<i>s_ext_routerid</i>	(Optional) Originating Router-ID
<i>s_ext_asn</i>	(Optional) AS number where the route info originated
<i>s_ext_proto</i>	(Optional) Protocol which originated this route
<i>s_ext_metric</i>	(Optional) External protocol metric
<i>s_ext_admin_tag</i>	(Optional) External admin flag
<i>s_exterior_flag</i>	(Optional) Exterior flag
<i>s_send_flag</i>	(Optional) DRDB send flag
<i>s_xmit_sereno</i>	(Optional) Xmit Serial number of this entry
<i>s_xmit_anchored</i>	(Optional) Xmit anchored flag
TABLE_reply_status	(Optional) Reply-status table
<i>rs_ipaddr</i>	(Optional) IP addr of peer from which replies are pending
<i>rs_ifname</i>	(Optional) Interface on which replies are pending
TABLE_sia_status	(Optional) SIA-status table
<i>ss_ipaddr</i>	(Optional) IP addr of peer from which SIA replies are pending
<i>ss_ifname</i>	(Optional) Interface on which SIA replies are pending
<i>eigrp-ptag</i>	(Optional)

Command Mode

- /exec

show

```
show { { ip eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] } [ <address> ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ] } } } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] |
{ [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } } [ __readonly__ TABLE_asn <asn>
TABLE_vrf <vrf> [ { TABLE_peer <peer_handle> { <peer_ipaddr> | <peer_ipv6addr> } <peer_ifname>
<peer_holdtime> <peer_srtt> <peer_rto> <peer_xmitq_count> <peer_last_seqno> <peer_uptime> [
<peer_static> <peer_nsf_restart_time> <peer_last_startup_serno> <peer_ios_major_ver> <peer_ios_minor_ver>
<peer_eigrp_major_rev> <peer_eigrp_minor_rev> <peer_retrans_count> <peer_retry_count>
<peer_bfd_enabled> [ <peer_bfd_sess_established> ] <peer_wait_for_init> <peer_wait_for_init_ack>
<peer_reinit_start_time> <peer_prefix_count> <peer_info_stubbed> [ <peer_info_allow_connected>
<peer_info_allow_statics> <peer_info_allow_summaries> <peer_info_allow_redist>
<peer_info_allow_leaking> ] <peer_info_receive_only> <peer_suppress_queries> ] [ TABLE_xmitq_pkts
<pkt_qtype> <pkt_counter> <pkt_opcode> <pkt_ack_seqno> <pkt_start_seqno> <pkt_end_seqno> <pkt_len>
<pkt_time_sent> <pkt_init_flag> <pkt_sequenced> ] [ <peer_state_cr_mode> <peer_state_need_init>
<peer_state_need_init_ack> <peer_state_going_down> <peer_state_coming_up> <peer_state_peer_deleted>
<peer_state_nsf_in_progress> <peer_state_need_eot> <peer_state_use_nsf_startup_mode>
<peer_state_await_nsf_convergence> <peer_state_initiated_gr> <peer_state_cr_sequence>
<peer_state_rcv_probe_sequence> <peer_state_send_probe_sequence> ] } ] [ { TABLE_suspended_peer {
<susp_peer_ipaddr> | <susp_peer_ipv6addr> } <susp_peer_ifname> [ <susp_peer_restart_reqd>
<susp_peer_restart_time> ] } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
neighbors	IP-EIGRP neighbors
detail	(Optional) Show detailed peer information
state	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface</i>	(Optional) Interface
<i>address</i>	(Optional) IP-EIGRP neighbor address
__readonly__	(Optional)

TABLE_asn	(Optional) AS number table
<i>asn</i>	(Optional) AS number
TABLE_vrf	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
TABLE_peer	(Optional) Peer table
<i>peer_handle</i>	(Optional) Peer handle
<i>peer_ipaddr</i>	(Optional) Peer's IP addr
<i>peer_ifname</i>	(Optional) Peering Interface name
<i>peer_holdtime</i>	(Optional) Hold-time for the peer
<i>peer_uptime</i>	(Optional) Peer Up-time
<i>peer_srtd</i>	(Optional) SRTT
<i>peer_rto</i>	(Optional) RTO
<i>peer_xmitq_count</i>	(Optional) Xmit Q count
<i>peer_last_seqno</i>	(Optional) Last received Sequence number
<i>peer_static</i>	(Optional) Static peer?
<i>peer_nsf_restart_time</i>	(Optional) Timestamp of last nsf restart
<i>peer_last_startup_serno</i>	(Optional) Target serial number for unicast startup
<i>peer_ios_major_ver</i>	(Optional) IOS major version
<i>peer_ios_minor_ver</i>	(Optional) IOS minor version
<i>peer_eigrp_major_rev</i>	(Optional) EIGRP major revision
<i>peer_eigrp_minor_rev</i>	(Optional) EIGRP minor revision
<i>peer_retrans_count</i>	(Optional) Number of retransmissions to this peer
<i>peer_retry_count</i>	(Optional) Retries for packets on xmit Q
<i>peer_bfd_enabled</i>	(Optional) Peer BFD enabled?
<i>peer_bfd_sess_established</i>	(Optional) Peer BFD session established?
<i>peer_wait_for_init</i>	(Optional) Waiting for INIT
<i>peer_wait_for_init_ack</i>	(Optional) Waiting for INIT-ACK
<i>peer_reinit_start_time</i>	(Optional) Re-Init start time
<i>peer_prefix_count</i>	(Optional) Number of Prefixes received from the peer

<i>peer_info_stubbed</i>	(Optional) Peer is a Stub?
<i>peer_info_allow_connected</i>	(Optional) Peer advertises connected routes?
<i>peer_info_allow_statics</i>	(Optional) Peer advertises static routes?
<i>peer_info_allow_summaries</i>	(Optional) Peer advertises summary routes?
<i>peer_info_allow_redist</i>	(Optional) Peer advertises redistributed routes?
<i>peer_info_allow_leaking</i>	(Optional) Peer advertises routes permitted by leak-map?
<i>peer_info_receive_only</i>	(Optional) Peer is receive-only?
<i>peer_suppress_queries</i>	(Optional) Suppress queries to this peer?
TABLE_xmitq_pkts	(Optional) Xmit Q packets table
<i>pkt_qtype</i>	(Optional) XMIT Qtype
<i>pkt_counter</i>	(Optional) Packet counter for the packets present in the transmit queue
<i>pkt_opcode</i>	(Optional) Packet opcode
<i>pkt_ack_seqno</i>	(Optional) Ack/Sequence number of this packet
<i>pkt_start_seqno</i>	(Optional) Starting serial number
<i>pkt_end_seqno</i>	(Optional) Ending serial number
<i>pkt_len</i>	(Optional) Packet length
<i>pkt_time_sent</i>	(Optional) Time at which the packet is transmitted
<i>pkt_init_flag</i>	(Optional) Init-flag should be sent in the packet?
<i>pkt_sequenced</i>	(Optional) Packet is sequenced?
<i>peer_state_cr_mode</i>	(Optional) Conditional Received mode set?
<i>peer_state_need_init</i>	(Optional) Waiting for Init from peer?
<i>peer_state_need_init_ack</i>	(Optional) Waiting for InitAck from peer?
<i>peer_state_going_down</i>	(Optional) Peer-Going-down?
<i>peer_state_coming_up</i>	(Optional) Peer-Coming-up?
<i>peer_state_peer_deleted</i>	(Optional) Peer-Deleted?
<i>peer_state_nsf_in_progress</i>	(Optional) Peer is nsf restarting?
<i>peer_state_need_eot</i>	(Optional) Expect end-of-table from this peer?
<i>peer_state_use_nsf_startup_mode</i>	(Optional) Use nsf startup method?
<i>peer_state_await_nsf_convergence</i>	(Optional) The peer is waiting eot from us?

<i>peer_state_initiated_gr</i>	(Optional) Initiated graceful restart?
<i>peer_state_cr_sequence</i>	(Optional) Expected sequence number of CR packet
<i>peer_state_rcv_probe_sequence</i>	(Optional) Sequence number of last probe packet received
<i>peer_state_send_probe_sequence</i>	(Optional) Sequence number of next probe to send
TABLE_suspended_peer	(Optional) Suspended peer table
<i>susp_peer_ipaddr</i>	(Optional) IP address of suspended peer
<i>susp_peer_ifname</i>	(Optional) Interface through which we are connected to the suspended peer
<i>susp_peer_restart_reqd</i>	(Optional) Suspended peer restart required?
<i>susp_peer_restart_time</i>	(Optional) Suspended peer restart time
<i>eigrp-ptag</i>	(Optional)

Command Mode

- /exec

show

```
show { access-lists [ <acl-ip-ipv6-mac-name> ] | ip access-lists [ <acl-ip-name> ] | mac access-lists [
<acl-mac-name> ] | ipv6 access-lists [ <acl-ipv6-name> ] } [ capture session <capture_session> ] [ <expanded>
| <summary> | <private> | <brief> ] [ __readonly__ TABLE_ip_ipv6_mac <op_ip_ipv6_mac>
<show_summary> <acl_name> [ <statistics> ] [ <frag_opt_permit_deny> ] [ <global_capture_session> ] [
<ipv6_extn_hdr> ] [ <ignore_routable> ] [ TABLE_seqno <seqno> { <permitdeny> [ <proto_str> | <proto>
| <ip> | <ipv6> | <ethertype> <ethertypeid> ] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask>
| <src_ipv6_prefix> | <src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [
<src_port_op> [ <src_port1_str> ] { <src_port1_num> } [ [ <src_port2_str> ] { <src_port2_num> } ] ]
<src_portgrp> ] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> |
<dest_ipv6_addr> <dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [ <dest_port_op>
[ <dest_port1_str> ] { <dest_port1_num> } [ [ <dest_port2_str> ] { <dest_port2_num> } ] ] | <dest_portgrp>
] [ { <icmp_type> [ <icmp_code> ] | <icmp_str> } | { <icmpv6_type> [ <icmpv6_code> ] | <icmpv6_str> }
] [ <igmp_type> | <igmp_type_str> ] [ [ <precedence> | <precedence_str> ] [ <tos> | <tos_str> ] ] [ <dscp> [
<dscp_mask> ] | <dscp_str> ] ] [ <ttl> ] ] [ <log> ] [ [ <wideflow> ] [ <wfmac_src_any> | <wfmac_src>
<wfmac_src_wild> ] [ <wfmac_dst_any> | <wfmac_dest> <wfmac_dest_wild> ] [ <wf_vlan> ] ] [
<wf_set_vlan_actionid> | <strip-vlan> ] [ <telemetry_queue> ] [ <telemetry_path> ] [ <udfs> ] [ <all> ] [ [
<route-tag> ] <route_tag_type> ] [ <capture_session> ] [ <fragments> ] [ <plen_op> <plen1> [ <plen2> ] ]
[ <urg> ] [ <ack> ] [ <psb> ] [ <rst> ] [ <syn> ] [ <fin> ] [ <established> ] [ <http-method> | <http_opt_str>
] [ <tcp-option-length> ] [ <tcp-flags-mask> ] [ <flow_label> ] [ <timerange> ] [ <eth_proto> | <eth_proto_str>
] [ <vlan> ] [ <cos> ] [ <match_count> ] [ <load-share> ] [ <action> <actionid> ] [ TABLE_match <module>
<module_match_count> ] ] [ <nve_vni> ] | <remark> [ <load-share> ] [ <action> <actionid> ] } ] [ vlan
<vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ [ <stats_enabled> ] [
<frag_option> ] [ <ign_rtable> ] { <num_ace> } { <conf_if_header> } [ <conf_if> ] { <active_if_header> }
[ <active_if> ] ] ] ]
```

Syntax Description

show	Show running system information
<i>acl-mac-name</i>	(Optional) List name
<i>acl-ip-name</i>	(Optional) List name
<i>acl-ipv6-name</i>	(Optional) List name
<i>acl-ip-ipv6-mac-name</i>	(Optional) List name
ip	Display IP information
ipv6	Display IPv6 information
mac	MAC configuration commands
capture	(Optional) capture
session	(Optional) session
<i>capture_session</i>	(Optional) session id
<i>op_ip_ipv6_mac</i>	(Optional) IP/IPv6/MAC

access-lists	List access lists
<i>show_summary</i>	(Optional)
<i>acl_name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
TABLE_ip_ipv6_mac	(Optional)
<i>frag_opt_permit_deny</i>	(Optional) frag_op_type
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>seqno</i>	(Optional) Sequence number
<i>permitdeny</i>	(Optional) Permit/deny
<i>proto</i>	(Optional) A protocol number
TABLE_seqno	(Optional)
<i>proto_str</i>	(Optional) Protocol name
<i>ip</i>	(Optional) IP
<i>ipv6</i>	(Optional) IPV6
<i>src_any</i>	(Optional) SRCAny
<i>dest_any</i>	(Optional) DESTAny
<i>src_ip_prefix</i>	(Optional) Source IP prefix
<i>src_ip_addr</i>	(Optional) Source IP address
<i>src_ip_mask</i>	(Optional) Source IP mask
<i>ethertype</i>	(Optional) Ethertype
<i>ethertypeid</i>	(Optional) Ethertype id
<i>mac_src</i>	(Optional) Source MAC address
<i>mac_src_wild</i>	(Optional) Source MAC mask

<i>dest_ip_prefix</i>	(Optional) Destination IP prefix
<i>dest_ip_addr</i>	(Optional) Destination IP address
<i>dest_ip_mask</i>	(Optional) Destination IP mask
<i>mac_dest</i>	(Optional) Destination MAC address
<i>mac_dest_wild</i>	(Optional) Destination MAC mask
<i>src_port_op</i>	(Optional) Source Port operator
<i>dest_port_op</i>	(Optional) Destination Port operator
<i>src_port1_str</i>	(Optional) Source port name
<i>src_port1_num</i>	(Optional) Source port number
<i>src_port2_str</i>	(Optional) Source port name
<i>src_port2_num</i>	(Optional) Source port number
<i>dest_port1_str</i>	(Optional) Destination port name
<i>dest_port1_num</i>	(Optional) Destination port number
<i>dest_port2_str</i>	(Optional) Destination port name
<i>dest_port2_num</i>	(Optional) Destination port number
<i>icmp_type</i>	(Optional) ICMP type
<i>icmp_code</i>	(Optional) ICMP code
<i>icmp_str</i>	(Optional) ICMP message
<i>icmpv6_type</i>	(Optional) ICMP type
<i>icmpv6_code</i>	(Optional) ICMP code
<i>icmpv6_str</i>	(Optional) ICMP message
<i>igmp_type</i>	(Optional) IGMP type
<i>igmp_type_str</i>	(Optional) IGMP type String
<i>precedence</i>	(Optional) precedence
<i>precedence_str</i>	(Optional) precedence string
<i>tos</i>	(Optional) tos
<i>tos_str</i>	(Optional) tos string
<i>dscp</i>	(Optional) dscp
<i>dscp_mask</i>	(Optional) dscp mask

<i>dscp_str</i>	(Optional) dscp string
<i>udfs</i>	(Optional) udfs string
<i>ttl</i>	(Optional) ttl
<i>capture_session</i>	(Optional) capture session
<i>global_capture_session</i>	(Optional) capture session
<i>log</i>	(Optional) Log
<i>wideflow</i>	(Optional) Wideflow
<i>wfmac_src_any</i>	(Optional) SRCAny
<i>wfmac_dst_any</i>	(Optional) DESTAny
<i>wfmac_src</i>	(Optional) Source MAC address
<i>wfmac_src_wild</i>	(Optional) Source MAC mask
<i>wfmac_dest</i>	(Optional) Destination MAC address
<i>wfmac_dest_wild</i>	(Optional) Destination MAC mask
<i>wf_vlan</i>	(Optional) VLAN number
<i>telemetry_queue</i>	(Optional) telemetry_queue
<i>telemetry_path</i>	(Optional) telemetry_path
<i>load-share</i>	(Optional) load share
<i>all</i>	(Optional) Filter all traffic (data + control) that matches this rule
<i>route-tag</i>	(Optional) Match on route-tag for this rule
<i>wf_set_vlan_actionid</i>	(Optional) VLAN number
<i>strip-vlan</i>	(Optional) strip-vlan
<i>fragments</i>	(Optional) Fragments
<i>urg</i>	(Optional) URG
<i>ack</i>	(Optional) ACK
<i>psh</i>	(Optional) PSH
<i>rst</i>	(Optional) RST
<i>syn</i>	(Optional) SYN
<i>fin</i>	(Optional) FIN
<i>established</i>	(Optional) ESTABLISHED

<i>http-method</i>	(Optional) http-method
<i>http_opt_str</i>	(Optional) http_option string
<i>tcp-option-length</i>	(Optional) TCP Option size
<i>tcp-flags-mask</i>	(Optional) TCP Flags mask
<i>flow_label</i>	(Optional) IPv6 flow label
<i>timerange</i>	(Optional) Time-range
<i>eth_proto</i>	(Optional) MAC protocol number
<i>eth_proto_str</i>	(Optional) MAC protocol name
<i>vlan</i>	(Optional) VLAN number
<i>cos</i>	(Optional) CoS value
<i>match_count</i>	(Optional) Number of packets matching the ACL
TABLE_match	(Optional)
<i>module</i>	(Optional) Module name
<i>module_match_count</i>	(Optional) Number of packets matching the ACL per module
<i>nve_vni</i>	(Optional) nve vni
<i>remark</i>	(Optional) Remark String
<i>statistics</i>	(Optional) STATISTICS
<i>src_addrgrp</i>	(Optional) Source address group
<i>dest_addrgrp</i>	(Optional) Destination address group
<i>src_portgrp</i>	(Optional) Source port group
<i>dest_portgrp</i>	(Optional) Destination port group
<i>plen_op</i>	(Optional) Source Port operator
<i>plen1</i>	(Optional) Packet length minimum
<i>plen2</i>	(Optional) packet length maximum
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-prot: <1-65535> redirect_all: Ethernet1/1,port-channel1
<i>route_tag_type</i>	(Optional) Route-tag value
<i>ipv6_extn_hdr</i>	(Optional) extn_hdr_op_type

<i>ignore_routable</i>	(Optional) ignore_routable_type
<i>stats_enabled</i>	(Optional)
<i>frag_option</i>	(Optional)
<i>ign_rtable</i>	(Optional)
<i>num_ace</i>	(Optional) Total number of ACEs
<i>conf_if_header</i>	(Optional)
<i>conf_if</i>	(Optional) Configured Interfaces
<i>active_if_header</i>	(Optional)
<i>active_if</i>	(Optional) Active interfaces
<i>expanded</i>	(Optional) EXPANDED
<i>summary</i>	(Optional) SUMMARY
<i>private</i>	(Optional) PRIVATE
<i>brief</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/se13

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/sel4

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elanms/se15

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elanms/sel6

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/se17

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elanms/outsel5

shut

[no] shut

Syntax Description

no	(Optional) Negate a command or set its defaults
shut	Shut a monitor session

Command Mode

- /exec/configure/monitor-common

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-veth

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this instance of RIP

Command Mode

- /exec/configure/router-rip /exec/configure/router-rip/router-rip-vrf

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown the GNSS receiver

Command Mode

- /exec/configure/gnss-if

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown tunnel interface(s)

Command Mode

- /exec/configure/if-any-tunnel

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable or disable a VR

Command Mode

- /exec/configure/if-eth-any/vrrp

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this IS-IS process

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown the OSPF protocol instance

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate the command
shutdown	Enable Transient Capture Buffer

Command Mode

- /exec/configure/pkt-drop

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this instance of EIGRP

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Change the admin status of the bundle

Command Mode

- /exec/configure/anycast

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/epbr/svc /exec/configure/epbr/fwd-svc /exec/configure/epbr-sess/svc /exec/configure/epbr-sess/fwd-svc

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-vlan-common

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown Segment Routing

Command Mode

- /exec/configure/config-sr-mps

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown VLAN switching

Command Mode

- /exec/configure/vlan

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-mgmt-ether

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-eth-port-channel /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-ether-sub-p2p /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel-range /exec/configure/if-eth-port-channel-switch

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-eth-port-channel /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-ether-sub-p2p /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-eth-port-channel-switch

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-veth

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-nve

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-loopback

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-cpp /exec/configure/if-fv /exec/configure/if-fa /exec/configure/if-svc
/exec/configure/if-fc-tunnel /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-overlay
/exec/configure/if-te

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-gig-ether /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vsan /exec/configure/if-iscsi /exec/configure/if-fcip /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-san-port-channel

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the OSPF protocol instance

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Disable MPLS forwarding for IP

Command Mode

- /exec/configure/ldp

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/itd-dg-node /exec/configure/itd-dg-node-standby

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/itd /exec/configure/itd-inout

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shut down VRRPv3

Command Mode

- /exec/configure/vrrpv3

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shut down the group

Command Mode

- /exec/configure/if-eth-any/vrrpv3

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shut down the pathway

Command Mode

- /exec/configure/if-eth-any/vrrs

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown current VRF

Command Mode

- /exec/configure/vrf

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown BGP protocol

Command Mode

- /exec/configure/router-bgp

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown this RPKI Cache

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown this BMP server

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

shutdown

[no | default] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
shutdown	Administratively shutdown this neighbor

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

shutdown

shutdown | no shutdown

Syntax Description

no	Negate a command or set its defaults
shutdown	suspend vPC locally

Command Mode

- /exec/configure/vpc-domain

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the policies using this color template

Command Mode

- /exec/configure/sr/te/color

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown color specific MPLS liveness detection related configurations

Command Mode

- /exec/configure/sr/te/color/live-det

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the preference of the policy

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this policy

Command Mode

- /exec/configure/sr/te/pol

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown policy specific MPLS liveness detection related configurations

Command Mode

- /exec/configure/sr/te/pol/live-det

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the preference of the policy

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref

shutdown force

[no] shutdown force

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	Enable/disable an interface

Command Mode

- /exec/configure/if-mgmt-ether

shutdown lan

shutdown lan

Syntax Description

shutdown	Enable/disable an interface
lan	Shut all LAN VLANs on interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

shutdown lan

[no] shutdown lan

Syntax Description

no	Negate a command or set its defaults
shutdown	Enable/disable an interface
lan	Shut all LAN VLANs on interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

signing level

{ [no] signing level { none | cisco | unsigned } | no signing level }

Syntax Description

no	(Optional) Negate a command or set its defaults
signing	Virtual service package signing settings
level	Package signing level allowed for virtual service installation
none	Most restrictive, don't allow package installation
cisco	Allow only Cisco signed packages
unsigned	Least restrictive, allow unsigned and all signing methods

Command Mode

- /exec/configure/virt-serv-global

site-id

{ site-id <s0> | no site-id }

Syntax Description

no	Negate a command or set its defaults
site-id	site id of the network where switch is deployed
s0	Provide site id

Command Mode

- /exec/configure/callhome

site-of-origin

```
{ site-of-origin { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } } | { no site-of-origin [ { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } ] }
```

Syntax Description

no	Negate a command or set its defaults
site-of-origin	Site of Origin
<i>ext-comm-soo-aa2nn4</i>	Extcommunity number
<i>ext-comm-soo-aa4nn2</i>	Extcommunity number

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-ether

sleep

sleep <i0>

Syntax Description

sleep	Sleep for the specified number of seconds
<i>i0</i>	Enter the number of seconds to sleep

Command Mode

- /exec

sleep instance

[no] sleep instance <inst> [<i0>] | sleep instance <inst> <i0>

Syntax Description

no	Negate a command or set its defaults
sleep	Sleep for the specified number of seconds
instance	Label with an instance number
<i>inst</i>	Instance number
<i>i0</i>	(Optional) Enter the number of seconds to sleep

Command Mode

- /exec/configure

slot

```
slot <module> { quoted <quoted-cmd> | <cmd> }
```

Syntax Description

slot	run commands on specific linecard (or set slot for commands that take optional slot number)
<i>module</i>	the slot number (aka module number)
quoted	enter the command with quotes -> pipe redirection and semi-colon are local
<i>quoted-cmd</i>	the command(s) to run on lc separated by <space> <semi-colon> <space>
<i>cmd</i>	the command(s) to run on lc separated by <space> <semi-colon> <space>

Command Mode

- /exec

slot

slot <module>

Syntax Description

slot	Configure a slot
<i>module</i>	the slot number (aka module number)

Command Mode

- /exec/configure

smtp-host smtp-port reply-to from

```
{ smtp-host { <ipv4> | <ipv6> | <host> } [ smtp-port <port> ] | smtp-port <port> | reply-to <reply> | from <from> |
```

Syntax Description

<i>}</i>	
smtp-host	SMTP server host
<i>ipv4</i>	IPV4 address
<i>host</i>	DNS name
smtp-port	(Optional) SMTP server port
<i>port</i>	(Optional) Port for SMTP server
reply-to	Reply to email address
<i>reply</i>	Provide reply-to email address
from	From email address
<i>from</i>	Provide from email address

Command Mode

- /exec/configure/email

snapshot create

snapshot create <snapshot-name> <snapshot-description>

Syntax Description

snapshot	Create/Delete a snapshot
create	Create a snapshot of running state of selected features
<i>snapshot-name</i>	Name of a snapshot
<i>snapshot-description</i>	Description of a snapshot

Command Mode

- /exec

snapshot delete

snapshot delete <snapshot-name>

Syntax Description

snapshot	Create/Delete a snapshot
delete	Delete a single snapshot or all snapshots
<i>snapshot-name</i>	Name of a snapshot

Command Mode

- /exec

snapshot delete ALL

snapshot delete ALL

Syntax Description

snapshot	Create/Delete a snapshot
delete	Delete a single snapshot or all snapshots
ALL	Delete all snapshots present on the switch

Command Mode

- /exec

snapshot section add

snapshot section add <name> <command> <row-id> <key1> [<key2>]

Syntax Description

snapshot	Create/Delete a snapshot
section	Add/Delete a snapshot section
add	Add a snapshot section
<i>name</i>	Name of a section
<i>command</i>	show' command to generate XML output
<i>row-id</i>	tag of each row entry of the 'show' XML output
<i>key1</i>	first key to distinguish among row entries with
<i>key2</i>	(Optional) second key to distinguish among row entries with

Command Mode

- /exec

snapshot section delete

snapshot section delete <name>

Syntax Description

snapshot	Create/Delete a snapshot
section	Add/Delete a snapshot section
delete	Delete a snapshot section
<i>name</i>	Name of a section

Command Mode

- /exec

snmp-server aaa-user cache-timeout

[no] snmp-server aaa-user cache-timeout <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
aaa-user	set duration for which aaa-cached snmp user exists
cache-timeout	timeout for AAA cache
<i>timeout</i>	timeout for which aaa-cached user exists(in secs)

Command Mode

- /exec/configure

snmp-server community

```
{ no snmp-server community <community_name> { use-ipv4acl [ <ipv4_acl_name> ] use-ipv6acl [
<ipv6_acl_name> ] | use-ipv4acl [ <ipv4_acl_name> ] | use-ipv6acl [ <ipv6_acl_name> ] } | snmp-server
community <community_name> { use-ipv4acl <ipv4_acl_name> use-ipv6acl <ipv6_acl_name> | use-ipv4acl
<ipv4_acl_name> | use-ipv6acl <ipv6_acl_name> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
community	set community string and access privs
<i>community_name</i>	SNMP community string
use-ipv4acl	Specify IPv4 ACL, the ACL name specified after must be IPv4 ACL.
<i>ipv4_acl_name</i>	(Optional) IPv4 ACL name to filter snmp requests
use-ipv6acl	Specify IPv6 ACL, the ACL name specified after must be IPv6 ACL.
<i>ipv6_acl_name</i>	(Optional) IPv6 ACL name to filter snmp requests

Command Mode

- /exec/configure

snmp-server community

[no] snmp-server community <s0> [{ group <s1> | ro | rw }]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
community	set community string and access privs
<i>s0</i>	SNMP community string
group	(Optional) Group to which the community belongs
<i>s1</i>	(Optional) Group to which the community belongs
ro	(Optional) Read-only access with this community string
rw	(Optional) Read-write access with this community string

Command Mode

- /exec/configure

snmp-server contact

snmp-server contact <line> | no snmp-server contact [<line>]

Syntax Description

no	negate a command or set its defaults
snmp-server	Configure snmp server
contact	modify sysContact
<i>line</i>	modify sysContact

Command Mode

- /exec/configure

snmp-server context

```
[no] snmp-server context <context_name> [ instance <instance-name> ] [ vrf { <vrf-name> | <vrf-known-name>
} ] [ topology <topology-name> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
context	SNMP context to be mapped
<i>context_name</i>	name of the SNMP context
instance	(Optional) Protocol instance associated with the SNMP context
<i>instance-name</i>	(Optional) Name of the protocol instance
vrf	(Optional) VRF associated with the SNMP context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
topology	(Optional) Topology associated with the SNMP context
<i>topology-name</i>	(Optional) name of the Topology

Command Mode

- /exec/configure

snmp-server counter cache enable

[no] snmp-server counter cache enable

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
counter	Configure port counter configuration
cache	port stats cache
enable	enable port stats cache

Command Mode

- /exec/configure

snmp-server counter cache timeout

[no] snmp-server counter cache timeout <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
counter	Configure port counter configuration
cache	Port stats cache
timeout	Timeout for port stats cache
<i>timeout</i>	Timeout for which cached port stats exists(in secs)

Command Mode

- /exec/configure

snmp-server drop unknown

[no] snmp-server drop { unknown-user | unknown-engine-id }

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
drop	Silently drop unknown v3 user packets
unknown-user	unknown v3 user
unknown-engine-id	unknown v3 engine id

Command Mode

- /exec/configure

snmp-server enable traps

[no] snmp-server enable traps [<trap_arg> [<trap_sub_category> +]]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
<i>trap_arg</i>	(Optional) Enable __left__ traps
<i>trap_sub_category</i>	(Optional) Enter the trap

Command Mode

- /exec/configure

snmp-server enable traps bgp

[no] snmp-server enable traps bgp [{ state-changes [<subsystem> +] }]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
state-changes	(Optional) Traps for FSM state changes
<i>subsystem</i>	(Optional) subsystem within BGP for SNMP traps

Command Mode

- /exec/configure

snmp-server enable traps bgp cbgp2

[no] snmp-server enable traps bgp cbgp2 [{ state-changes [<subsystem> +] }]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
cbgp2	Enable SNMP CISCO-BGP-MIBv2 traps
state-changes	(Optional) Traps for FSM state changes
<i>subsystem</i>	(Optional) subsystem within BGP for SNMP traps

Command Mode

- /exec/configure

snmp-server enable traps bgp cbgp2 threshold prefix

[no] snmp-server enable traps bgp cbgp2 threshold prefix

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
cbgp2	Enable SNMP CISCO-BGP-MIBv2 traps
threshold	Traps for threshold events
prefix	CISCO specific trap for prefix threshold events

Command Mode

- /exec/configure

snmp-server enable traps bgp threshold prefix

[no] snmp-server enable traps bgp threshold prefix

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
threshold	Traps for threshold events
prefix	CISCO specific trap for prefix threshold events

Command Mode

- /exec/configure

snmp-server enable traps eigrp

[no] snmp-server enable traps eigrp [<eigrp-ptag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
eigrp	Enable SNMP EIGRP traps
<i>eigrp-ptag</i>	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospf

[no] snmp-server enable traps ospf [<tag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
<i>tag</i>	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospf lsa

[no] snmp-server enable traps ospf [<tag>] lsa

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
<i>tag</i>	(Optional) Process tag
lsa	Allow sending LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospf rate-limit

```
{ { no snmp-server enable traps ospf [ <tag> ] rate-limit [ <window> <rate> ] } | { snmp-server enable traps ospf [ <tag> ] rate-limit <window> <rate> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
<i>tag</i>	(Optional) Process tag
rate-limit	Trap rate limit values
<i>window</i>	(Optional) Rate limit window size in seconds
<i>rate</i>	(Optional) Max number of traps sent in window time
<i>tag</i>	(Optional)

Command Mode

- /exec/configure

snmp-server enable traps ospfv3

[no] snmp-server enable traps ospfv3 [<tag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
<i>tag</i>	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 lsa

[no] snmp-server enable traps ospfv3 lsa

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
lsa	Enable SNMP OSPFv3 LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 lsa

[no] snmp-server enable traps ospfv3 <tag> lsa

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
<i>tag</i>	Process tag
lsa	Enable SNMP OSPFv3 LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 rate-limit

```
{ { no snmp-server enable traps ospfv3 [ <tag> ] rate-limit } | { snmp-server enable traps ospfv3 [ <tag> ]
rate-limit <swindow> <rate> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
<i>tag</i>	(Optional) Process tag
rate-limit	Trap rate limit values
<i>swindow</i>	Rate limit window size in seconds
<i>rate</i>	Max number of traps sent in window time
<i>tag</i>	(Optional)

Command Mode

- /exec/configure

snmp-server enable traps storm-control trap-rate

[no] snmp-server enable traps storm-control trap-rate <rate-per-minute>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
storm-control	Enable storm-control traps
trap-rate	Number of traps per minute
<i>rate-per-minute</i>	per Minute (0 means no upper rate)

Command Mode

- /exec/configure

snmp-server engineID local

snmp-server engineID local <engineId> | no snmp-server engineID local [<engineId>]

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
engineID	Configure a local SNMPv3 engineID
local	engineID of the local agent
<i>engineId</i>	engine ID should be an even number of hexadecimal characters, which ranges from 10 to 64 where every two hexadecimal characters should be separated by colon. Including colons-

Command Mode

- /exec/configure

snmp-server globalEnforcePriv

[no] snmp-server globalEnforcePriv

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
globalEnforcePriv	globally enforce privacy for all the users

Command Mode

- /exec/configure

snmp-server host filter-vrf

[no] snmp-server host <host0> filter-vrf { <vrf-name> | <vrf-known-name> } [udp-port <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to receive SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
filter-vrf	Filters notifications to the notification host receiver based on the configured VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host source

[no] snmp-server host <host0> { source-interface <ifName> } [udp-port <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to send SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
source-interface	Source interface to be used for sending out SNMP notifications to this host
<i>ifName</i>	Source interface name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host use-vrf

[no] snmp-server host <host0> use-vrf { <vrf-name> | <vrf-known-name> } [udp-port <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to receive SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
use-vrf	Configures SNMP to use the selected VRF to communicate with the host receiver
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server local use-vrf

[no] snmp-server local use-vrf <vrf_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
local	Local SNMP access for the third-party applications running on Kernel
use-vrf	User defined VRF
<i>vrf_name</i>	Name of the VRF in which the third-party applications access local SNMP

Command Mode

- /exec/configure

snmp-server location

snmp-server location <line> | no snmp-server location [<line>]

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
location	modify sysLocation
<i>line</i>	modify sysLocation

Command Mode

- /exec/configure

snmp-server mib community-map context

[no] snmp-server mib community-map <community_name> context <context_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
mib	mib access parameters
community-map	SNMP community
<i>community_name</i>	SNMP community string
context	SNMP context to be mapped
<i>context_name</i>	name of the SNMP context

Command Mode

- /exec/configure

snmp-server protocol enable

[no] snmp-server protocol enable

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
protocol	snmp protocol operations
enable	Enable/Disable snmp protocol operations

Command Mode

- /exec/configure

snmp-server source-interface informs

[no] snmp-server source-interface { informs } <ifName>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
source-interface	Source interface to be used for sending out SNMP notifications
<i>ifName</i>	Source interface name
informs	SNMP Inform notifications for which this source interface needs to be used

Command Mode

- /exec/configure

snmp-server source-interface traps

[no] snmp-server source-interface { traps } <ifName>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
source-interface	Source interface to be used for sending out SNMP notifications
<i>ifName</i>	Source interface name
traps	SNMP Trap notifications for which this source interface needs to be used

Command Mode

- /exec/configure

snmp-server system-shutdown

[no] snmp-server system-shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
system-shutdown	Configure snmp-server for reload(2)

Command Mode

- /exec/configure

snmp-server tcp-session

[no] snmp-server tcp-session [auth]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
tcp-session	Enable one time authentication for snmp over tcp session.
auth	(Optional) Enable one time authentication for snmp over tcp session.

Command Mode

- /exec/configure

snmp-server user

```
[no] snmp-server user <s0> { enforcePriv | [ <s1> ] { [ auth { md5 | sha | sha-224 | sha-256 | sha-384 |
sha-512 } <s2> { { priv [ des | aes-128 ] { <s3> [ { localizedkey | localizedV2key } ] [ { auto | engineID <s4>
} ] } } | [ { localizedkey1 | localizedV2key1 } ] [ { auto1 | engineID1 <s5> } ] } ] } | [ pwd_type 6 auth {
md5 | sha | sha-224 | sha-256 | sha-384 | sha-512 } <s6> { { priv [ des | aes-128 ] { <s7> [ localizedV2key ]
[ { auto | engineID <s4> } ] } } | [ localizedV2key1 ] [ { auto1 | engineID1 <s5> } ] } ] } ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
user	Define a user who can access the SNMP engine
s0	Name of the user
enforcePriv	Enforce privacy for the user
s1	(Optional) Group name (ignored for notif target user)
pwd_type	(Optional) Type of encryption to be used for the password provided
6	(Optional) Type-6 encryption for password
auth	(Optional) authentication parameters for the user
md5	(Optional) Use HMAC MD5 algorithm for authentication
sha	(Optional) Use HMAC SHA-1 algorithm for authentication
sha-224	(Optional) Use HMAC SHA-224 algorithm for authentication
sha-256	(Optional) Use HMAC SHA-256 algorithm for authentication
sha-384	(Optional) Use HMAC SHA-384 algorithm for authentication
sha-512	(Optional) Use HMAC SHA-512 algorithm for authentication
s2	(Optional) authentication password for user (Max length 127 for plain-text and 134 for localized/localizedV2 key)
s6	(Optional) authentication password for user (Max length 127 for plain-text and 256 for localized/localizedV2 key)
priv	(Optional) encryption parameters for the user
des	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
aes-128	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
s3	(Optional) privacy password for user (Max length 127 for plain-text and 134 for localized/localizedV2 key)

<i>s7</i>	(Optional) privacy password for user (Max length 127 for plain-text and 256 for localized/localizedV2 key)
localizedkey	(Optional) specifies whether the passwords are in localized key format
localizedV2key	(Optional) specifies whether the passwords are in encrypted format
auto	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
engineID	(Optional) engineID for configuring notif target user (for V3 informs)
<i>s4</i>	(Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons-
localizedkey1	(Optional) specifies whether the passwords are in localized key format
localizedV2key1	(Optional) specifies whether the passwords are in encrypted key format
auto1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
engineID1	(Optional) engineID for configuring notif target user (for V3 informs)
<i>s5</i>	(Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons-

Command Mode

- /exec/configure

snmp-server user

```
{ no snmp-server user <user_name> { use-ipv4acl [ <ipv4_acl_name> ] use-ipv6acl [ <ipv6_acl_name> ] |
use-ipv4acl [ <ipv4_acl_name> ] | use-ipv6acl [ <ipv6_acl_name> ] } | snmp-server user <user_name> {
use-ipv4acl <ipv4_acl_name> use-ipv6acl <ipv6_acl_name> | use-ipv4acl <ipv4_acl_name> | use-ipv6acl
<ipv6_acl_name> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
user	Define a user who can access the SNMP engine
<i>user_name</i>	Name of the user
use-ipv4acl	Specify IPv4 ACL, the ACL name specified after must be IPv4 ACL.
<i>ipv4_acl_name</i>	(Optional) IPv4 ACL name to filter snmp requests
use-ipv6acl	Specify IPv6 ACL, the ACL name specified after must be IPv6 ACL.
<i>ipv6_acl_name</i>	(Optional) IPv6 ACL name to filter snmp requests

Command Mode

- /exec/configure

snmp ifmib ifalias long

[no] snmp ifmib ifalias long

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp	Configure snmp
ifmib	Configure snmp interface mib feature
ifalias	Configure snmp interface alias attribute for interface mib
long	Enable long description up to 256 characters for interface alias

Command Mode

- /exec/configure

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

no	Negate a command or set its defaults
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-vlan-common

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

no	Negate a command
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-any-tunnel

snmp trap link-status

snmp trap link-status

Syntax Description

snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-port-channel-range /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

snmp trap link-status

[no] snmp trap link-status

Syntax Description

no	Negate a command or set its defaults
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-port-channel-range /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

no	Negate a command or set its defaults
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-mgmt-ether

snr threshold

[no] snr threshold <thres>

Syntax Description

no	(Optional) Negate a command or set its defaults
snr	SNR threshold configuration
threshold	SNR threshold configuration
<i>thres</i>	SNR threshold value, in dB-Hz

Command Mode

- /exec/configure/gnss-if

snsr-grp sample-interval

snsr-grp <sn-grp-id> sample-interval { 0 | <cadence> } | no snsr-grp <sn-grp-id>

Syntax Description

no	Negate a command or set its defaults
snsr-grp	Associated sensor group
sample-interval	Cadence Time in milliseconds(0 for events)
0	0 for events
<i>sn-grp-id</i>	Identifier
<i>cadence</i>	Cadence Time in milliseconds

Command Mode

- /exec/configure/telemetry/subscription

sockets local-port-range

{ { no sockets local-port-range } | { sockets local-port-range <start-port> <end-port> } }

Syntax Description

no	Negate a command or set its defaults
sockets	Negate a command or set its defaults
local-port-range	Define local port range for Kstack. Note: This CLI requires switch to be reloaded
<i>start-port</i>	Start port of local port range
<i>end-port</i>	End port of local port range

Command Mode

- /exec/configure /exec/configure/config-mgmt

soft-reconfiguration inbound

{ soft-reconfiguration inbound [always] } | { no soft-reconfiguration inbound } | { default soft-reconfiguration inbound }

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
soft-reconfiguration	Soft reconfiguration
inbound	Allow inbound soft reconfiguration
always	(Optional) Always perform inbound soft reconfiguration

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

sort

| sort [-b | -d | -f | -g | -i | -M | -n | -r | -k <key> | -t <delim> | -u] +

Syntax Description

	Pipe command output to filter
sort	Stream Sorter
-b	(Optional) ignore leading blanks
-d	(Optional) consider only blanks and alphanumeric characters
-f	(Optional) fold lower case to upper case characters
-g	(Optional) compare according to general numerical value
-i	(Optional) consider only printable characters
-M	(Optional) month sort
-n	(Optional) compare according to string numerical value
-r	(Optional) reverse the result of comparisons
-k	(Optional) provide a key
-t	(Optional) use different separator instead of non-blank to blank transition
-u	(Optional) remove duplicate lines
<i>key</i>	(Optional) key in format POS1[,POS2] with POS = <field-nb>[.<char-pos>][<ordering>]
<i>delim</i>	(Optional) field delimiter char

Command Mode

- /output

source-address ipv4

[no] source-address ipv4 [<ip-address>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source-address	Configure the source address to be used for PCE connection
ipv4	Configure v4 source address for PCC
<i>ip-address</i>	(Optional) Source address

Command Mode

- /exec/configure/sr/te/pcc

source-address ipv6

[no] source-address { ipv6-addr }

Syntax Description

no	(Optional) Negate a command or set its defaults
source-address	Configure the source address for packets encapsulated in SRv6

Command Mode

- /exec/configure/sr/srv6/encapsulation

source-interface

[no] source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	PLB probe Source-Interface
<i>interface</i>	source interface for probe

Command Mode

- /exec/configure/itd

source-interface

source-interface { <interface> } | no source-interface [<interface>]

Syntax Description

no	Negate a command or set its defaults
source-interface	Configure Source interface to export services
<i>interface</i>	Source interface

Command Mode

- /exec/configure/service-export

source-interface

[no] source-interface | source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface to be used to reach tacacs server
<i>interface</i>	Interface (default is mgmt)

Command Mode

- /exec/configure/tacacs+

source-interface

source-interface <src-intf> | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	Select source interface
<i>src-intf</i>	Specify interface

Command Mode

- /exec/configure/callhome

source-interface

source-interface <interface> | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface
<i>interface</i>	Interface name

Command Mode

- /exec/configure/telemetry/destination-profile

source-interface

source-interface <interface> | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface
<i>interface</i>	Interface name

Command Mode

- /exec/configure/telemetry/destination-group

source-interface

[no] source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	NVE source interface associated with the module
<i>interface</i>	

Command Mode

- /exec/configure/nve-encap

source-interface

source-interface <interface> [anycast <anycast-intf>] | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	NVE Source-Interface
<i>interface</i>	
anycast	(Optional) Specify Anycast loopback interface
<i>anycast-intf</i>	(Optional)

Command Mode

- /exec/configure/if-nve

source-interface

[no] source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	Configure source interface to reach http server
<i>interface</i>	Interface

Command Mode

- /exec/configure/trustpool

source-interface

source-interface { <interface> } | no source-interface [<interface>]

Syntax Description

no	Negate a command or set its defaults
source-interface	Source address
<i>interface</i>	Source interface for static tunnel routes

Command Mode

- /exec/configure/tunnel-profile

source-interface

[no] source-interface | source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface to be used to reach radius server
<i>interface</i>	Interface (default is mgmt)

Command Mode

- /exec/configure/radius

source-interface hold-down-time

[no] source-interface hold-down-time <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	NVE Source-Interface
hold-down-time	Hold source loopback down time
<i>sec</i>	time in seconds

Command Mode

- /exec/configure/if-nve

source

```
{ [ no ] source { <ipaddr> | <ipv6addr> } }
```

Syntax Description

source	Specify details
<i>ipaddr</i>	Source IP address for collector

Command Mode

- /exec/configure/config-fte-exporter

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/config-int-exporter

source

{ source <intf> } | { no source }

Syntax Description

no	Negate a command or set its defaults
source	specify source interface - needed for modular chassis
<i>intf</i>	Ingress interface for payload traffic

Command Mode

- /exec/configure/configngoamprofileflow

source

{ source { <numeric1> | <numeric2> } | no source }

Syntax Description

no	Negate a command or set its defaults
source	Source
<i>numeric1</i>	IP

Command Mode

- /exec/configure/configngoamconnectcheck

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/nfm-exporter

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/analytics/exporter

source

```
[no] source { { unicast-queue interface <if_list> qos-group <qos-grp> } | { { ingress | egress } { interface <if_list> } } }
```

Syntax Description

no	(Optional) Negate the command
source	Configure Packet Drop Scope
unicast-queue	Specify Capture scope as queue basis
interface	Specify interface associated to particular Queue
<i>if_list</i>	List of interfaces
qos-group	Specify the Qos-grp to be associated
<i>qos-grp</i>	Value 0-7
ingress	Specify Capture scope as Ingress
egress	Specify Capture scope as Egress
interface	Configure the Entity Interface
<i>if_list</i>	List of interfaces

Command Mode

- /exec/configure/pkt-drop

source

[no] source { <ipaddr> | ipv6 <ipv6addr> }

Syntax Description

source	Source configuration
<i>ipaddr</i>	IP Address to be configured
ipv6	IPv6

Command Mode

- /exec/configure/config-ssx-exporter

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/nfm-exporter

source

source [background] <file> [<args>] +

Syntax Description

source	run a script (python, tcl,...) from bootflash:scripts
background	(Optional) run the script in the background, see also 'show background' and 'kill background'
<i>file</i>	the script file to run
<i>args</i>	(Optional) argument to be passed to script

Command Mode

- /exec

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/config-postcard-exporter

source copy-sys

source copy-sys

Syntax Description

source	run a script (python, tcl,...) from bootflash:scripts
copy-sys	copy the system provided example scripts of /sys to bootflash:scripts

Command Mode

- /exec

source destination

[no] source <src_intf> destination <dst_intf>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Distinct source interface to pin for a given DLB interface
destination	DLB interface
<i>src_intf</i>	Source Interface
<i>dst_intf</i>	Destination Interface

Command Mode

- /exec/configure/dyn-loadbalancing-static-pinning

source forward-drops

[no] source forward-drops <src_dir> [priority-low]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
forward-drops	Forwarding drops
priority-low	(Optional) Drop span session is low priority relative to span acl and vlan sessions
<i>src_dir</i>	Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source group permit

```
{ <seq> source <sourceip> group <range> { permit | deny } } | { no <seq> [ source <sourceip> group <range>
{ permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/pim

source group permit

```
{ <seq> source <sourceip> group <range> { permit | deny } } | { no <seq> [ source <sourceip> group <range>
{ permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/pim

source interface

[no] source interface <interface_range> [<src_dir>] [allow-pfc]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface_range</i>	
<i>src_dir</i>	(Optional) Source direction
allow-pfc	(Optional) Enable SPAN on PFC frames

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source interface

[no] source { interface <interface_range> } [<src_dir>] [allow-pfc]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface_range</i>	
<i>src_dir</i>	(Optional) Source direction
allow-pfc	(Optional) Enable SPAN on PFC frames

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source interface

[no] source { interface <interface> } [<src_dir>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface</i>	
<i>src_dir</i>	(Optional) Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source ip

[no] source ip <ipaddress>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source IP address configuration
ip	Configure source IP address
<i>ipaddress</i>	

Command Mode

- /exec/configure/config-monitor-erspan-dst

source ipv4

```
{ [ no ] source ipv4 <ipaddr> }
```

Syntax Description

source	Source configuration
ipv4	IP v4 address
<i>ipaddr</i>	IP Address to be configured

Command Mode

- /exec/configure/config-int-clone-md-sink-collector

source ipv6

[no] source ipv6 <ipv6-address>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source IP address configuration
ipv6	Configure source IPv6 address

Command Mode

- /exec/configure/config-monitor-erspan-dst

source port

[no] source port <portnumber>

Syntax Description

source	Specify the source port
port	Specify the source port
<i>portnumber</i>	Source port number

Command Mode

- /exec/configure/nfm-profile

source port

[no] source port <portnumber>

Syntax Description

source	Specify the source port
port	Specify the source port
<i>portnumber</i>	Source port number

Command Mode

- /exec/configure/analytics/profile

source vlan

[no] source vlan <vlan-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	source for ITD L2 traffic
vlan	source vlan
<i>vlan-range</i>	range of vlans

Command Mode

- /exec/configure/itd

source vlan

[no] source vlan <vlan_range> [<src_dir>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
vlan	Vlan type
<i>vlan_range</i>	
<i>src_dir</i>	(Optional) Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source vsan

[no] source vsan <vsan_range> [<src_dir_rx>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
vsan	Vsan type
<i>vsan_range</i>	
<i>src_dir_rx</i>	(Optional) Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

spanning-tree bpdudfilter

spanning-tree bpdudfilter <port-bpdudfilter> | no spanning-tree bpdudfilter [<port-bpdudfilter>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bpdudfilter	Don't send or receive BPDUs on this interface
<i>port-bpdudfilter</i>	Don't send or receive BPDUs on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree bpduguard

spanning-tree bpduguard <port-bpduguard> | no spanning-tree bpduguard [<port-bpduguard>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bpduguard	Don't accept BPDUs on this interface
<i>port-bpduguard</i>	Don't accept BPDUs on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree bridge-domain

[no] spanning-tree bridge-domain <bd-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11

Command Mode

- /exec/configure

spanning-tree bridge assurance

[no] spanning-tree bridge assurance

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bridge	Spanning tree bridge options
assurance	Enable Bridge Assurance on all network ports

Command Mode

- /exec/configure

spanning-tree cost

spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost <port-cost> | no spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost [<port-cost>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
cost	Change an interface's spanning tree port path cost
<i>port-cost</i>	port path cost

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree cost auto

[no] spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost auto

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
cost	Change an interface's spanning tree port path cost
auto	Determine cost based on media speed of this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree domain

spanning-tree domain { enable | disable | <domain-id> } | no spanning-tree domain [enable]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
domain	Spanning Tree Domain
enable	Enable Spanning Tree Domain
disable	Disable Spanning Tree Domain
<i>domain-id</i>	Domain Identifier

Command Mode

- /exec/configure

spanning-tree domain clear statistics

spanning-tree domain clear statistics

Syntax Description

spanning-tree	Spanning Tree Subsystem
domain	Spanning Tree Domain
clear	Clear
statistics	Clear Statistics

Command Mode

- /exec/configure

spanning-tree fcoe

[no] spanning-tree fcoe

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
fcoe	Enable STP for FCoE VLANs

Command Mode

- /exec/configure

spanning-tree guard

spanning-tree guard <guard-type> | no spanning-tree guard [<guard-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
guard	Change an interface's spanning tree guard mode
<i>guard-type</i>	Change an interface's spanning tree guard mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree lc-issu

spanning-tree lc-issu <port-issu-type> | no spanning-tree lc-issu [<port-issu-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
lc-issu	Configure Linecard ISSU type
<i>port-issu-type</i>	ISSU Type

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree lc-issu

spanning-tree lc-issu <issu-type> | no spanning-tree lc-issu [<issu-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
lc-issu	Configure Linecard ISSU type
<i>issu-type</i>	ISSU Type

Command Mode

- /exec/configure

spanning-tree link-type

spanning-tree link-type <link-type-val> | no spanning-tree link-type [<link-type-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
link-type	Specify a link type for spanning tree tree protocol use
<i>link-type-val</i>	Specify a link type for spanning tree tree protocol use

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree loopguard default

[no] spanning-tree loopguard default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
loopguard	Spanning tree loopguard options
default	Enable loopguard by default on all ports

Command Mode

- /exec/configure

spanning-tree mode

spanning-tree mode <stp-mode> | no spanning-tree mode [<stp-mode>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mode	Spanning Tree operating mode
<i>stp-mode</i>	Spanning Tree operating mode

Command Mode

- /exec/configure

spanning-tree mst configuration

[no] spanning-tree mst configuration

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
configuration	Enter MST configuration submenu

Command Mode

- /exec/configure

spanning-tree mst configuration

spanning-tree mst configuration

Syntax Description

spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
configuration	Enter MST configuration submode

Command Mode

- /exec/configure

spanning-tree mst cost

spanning-tree mst <mst-id> cost <port-cost> | no spanning-tree mst <mst-id> cost [<port-cost>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
cost	Change an interface's spanning tree port path cost
<i>port-cost</i>	port path cost

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst cost auto

[no] spanning-tree mst <mst-id> cost auto

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
cost	Change an interface's spanning tree port path cost
auto	Determine cost based on media speed of this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst forward-time

spanning-tree mst forward-time <fwd-time> | no spanning-tree mst forward-time [<fwd-time>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
forward-time	Set the forward delay for the spanning tree
<i>fwd-time</i>	number of seconds for the forward delay timer

Command Mode

- /exec/configure

spanning-tree mst hello-time

spanning-tree mst hello-time <hello-time-val> | no spanning-tree mst hello-time [<hello-time-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
hello-time	Set the hello interval for the spanning tree
<i>hello-time-val</i>	number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree mst max-age

spanning-tree mst max-age <max-age-val> | no spanning-tree mst max-age [<max-age-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
max-age	Set the max age interval for the spanning tree
<i>max-age-val</i>	maximum number of seconds the information in a bpdu is valid

Command Mode

- /exec/configure

spanning-tree mst max-hops

spanning-tree mst max-hops <max-hops-val> | no spanning-tree mst max-hops [<max-hops-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
max-hops	Set the max hops value for the spanning tree
<i>max-hops-val</i>	maximum number of hops a BPDU is valid

Command Mode

- /exec/configure

spanning-tree mst port-priority

spanning-tree mst <mst-id> port-priority <port-prio> | no spanning-tree mst <mst-id> port-priority [<port-prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
port-priority	Change an interface's spanning tree port priority
<i>port-prio</i>	Spanning-tree port priority

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst pre-standard

[no] spanning-tree mst pre-standard

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
pre-standard	Force pre-standard MST BPDU transmission on port

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst priority

spanning-tree mst <mst-id> priority <prio> | no spanning-tree mst <mst-id> priority [<prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure

spanning-tree mst root

```
spanning-tree mst <mst-id> root <root-type> [ diameter <diameter-val> [ hello-time <hello-time-val> ] ] | no
spanning-tree mst <mst-id> root [ <root-type> [ diameter <diameter-val> [ hello-time <hello-time-val> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
diameter	(Optional) Network diameter of this spanning tree
<i>diameter-val</i>	(Optional) Maximum number of bridges between any two end nodes
root	configure switch as root
<i>root-type</i>	configure switch as root
hello-time	(Optional) Set the hello interval for the spanning tree
<i>hello-time-val</i>	(Optional) number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree mst simulate pvst

[no] spanning-tree mst simulate pvst [<simpvst-disable>]

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
simulate	Enable spanning tree simulation
pvst	Enable PVST simulation
<i>simpvst-disable</i>	(Optional) Disable PVST simulation on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst simulate pvst global

[no] spanning-tree mst simulate pvst global

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
simulate	Enable spanning tree simulation
pvst	Enable PVST simulation
global	Enable PVST Simulation by default on all ports

Command Mode

- /exec/configure

spanning-tree pathcost method

spanning-tree pathcost method <method-val> | no spanning-tree pathcost method [<method-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
pathcost	Spanning tree pathcost options
method	Method to calculate default port path cost
<i>method-val</i>	Method to calculate default port path cost

Command Mode

- /exec/configure

spanning-tree port-priority

spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] port-priority <port-prio> | no spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] port-priority [<port-prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
port-priority	Change an interface's spanning tree port priority
<i>port-prio</i>	Spanning-tree port priority

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type

spanning-tree port type <port-type> | no spanning-tree port type [<port-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
<i>port-type</i>	Specify a port type for spanning tree protocol use

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type edge bpdufilter default

[no] spanning-tree port type edge bpdufilter default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
bpdufilter	Enable edge port (portfast) bpdu filter on this switch
default	Enable bpdu filter by default on all edge (portfast) ports

Command Mode

- /exec/configure

spanning-tree port type edge bpduguard default

[no] spanning-tree port type edge bpduguard default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
bpduguard	Enable edge port (portfast) bpduguard on this switch
default	Enable bpduguard by default on all edge (portfast) ports

Command Mode

- /exec/configure

spanning-tree port type edge default

[no] spanning-tree port type edge default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
default	Select edge port type by default on all access ports

Command Mode

- /exec/configure

spanning-tree port type edge trunk

spanning-tree port type edge trunk | no spanning-tree port type edge trunk

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
trunk	Consider the interface as edge port (enable portfast) even in trunk mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type network default

[no] spanning-tree port type network default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
network	Consider the interface as inter-switch link
default	Select network port type by default on all ports

Command Mode

- /exec/configure

spanning-tree pseudo-information

spanning-tree pseudo-information

Syntax Description

spanning-tree	Spanning Tree Subsystem
pseudo-information	configure spanning tree pseudo information

Command Mode

- /exec/configure

spanning-tree vlan

[no] spanning-tree vlan <vlan-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11

Command Mode

- /exec/configure

spanning-tree vlan forward-time

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } forward-time <fwd-time> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } forward-time [<fwd-time>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
forward-time	Set the forward delay for the spanning tree
<i>fwd-time</i>	number of seconds for the forward delay timer

Command Mode

- /exec/configure

spanning-tree vlan hello-time

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } hello-time <hello-time-val> | no spanning-tree {
vlan <vlan-id> | bridge-domain <bd-id> } hello-time [ <hello-time-val> ]
```

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
hello-time	Set the hello interval for the spanning tree
<i>hello-time-val</i>	number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree vlan max-age

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } max-age <max-age-val> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } max-age [<max-age-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
max-age	Set the max age interval for the spanning tree
<i>max-age-val</i>	maximum number of seconds the information in a bpdu is valid

Command Mode

- /exec/configure

spanning-tree vlan priority

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } priority <prio> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } priority [<prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure

spanning-tree vlan root

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } root <root-type> [ diameter <diameter-val> [
hello-time <hello-time-val> ] ] | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } root [ <root-type>
[ diameter <diameter-val> [ hello-time <hello-time-val> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
diameter	(Optional) Network diameter of this spanning tree
<i>diameter-val</i>	(Optional) Maximum number of bridges between any two end nodes
root	configure switch as root
<i>root-type</i>	configure switch as root
hello-time	(Optional) Set the hello interval for the spanning tree
<i>hello-time-val</i>	(Optional) number of seconds between generation of config bpdu

Command Mode

- /exec/configure

speed-group

speed-group <gspeed_val> | no speed-group [<gspeed_val>]

Syntax Description

no	Negate a command or set its defaults
speed-group	port group speed
<i>gspeed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

speed

speed { <speed_val> }

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-mgmt-ether

speed

[no] speed <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
speed	Set the transmit and receive speeds
<i>i0</i>	Transmit and receive speeds

Command Mode

- /exec/configure/com1

speed

[no] speed <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
speed	Set the transmit and receive speeds
<i>i0</i>	Transmit and receive speeds

Command Mode

- /exec/configure/console

speed

speed { <speed_val> }

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed

speed { <speed_val> }

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-ethernet-p2p

speed

```
speed { <speed_val> }
```

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-port-channel

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

no	Negate a command or set its defaults
speed	Enter the port speed
<i>speed_val</i>	(Optional) Interface port speed
auto	(Optional) auto negotiate speed
100	(Optional) 100 Mbps speed
1000	(Optional) 1000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

no	Negate a command or set its defaults
speed	Enter the port speed
<i>speed_val</i>	(Optional) Interface port speed
auto	(Optional) auto negotiate speed
100	(Optional) 100 Mbps speed
1000	(Optional) 1000 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto

speed auto

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 100

speed auto 100

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto 100 1000

speed auto 100 1000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto 100 1000 2500 5000

speed auto 100 1000 2500 5000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed
2500	2500 Mbps speed
5000	5000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto 100 1000

speed auto 100 1000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 100

speed auto 100

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 2500 5000 10000

speed auto 2500 5000 10000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
2500	2500 Mbps speed
5000	5000 Mbps speed
10000	10000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto

speed auto

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

spf-interval

spf-interval <max-wait> [<initial-wait> <second-wait>] | no spf-interval <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

spf-interval

spf-interval <level> <max-wait> [<initial-wait> <second-wait>] | no spf-interval <level> <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>level</i>	IS-IS level
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

spf-interval

spf-interval <max-wait> [<initial-wait> <second-wait>] | no spf-interval <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

spf hold

```
{ spf { hold-time <i0> | static } | no spf { hold-time [ <i0> ] | static } }
```

Syntax Description

no	Negate a command or set its defaults
spf	Configure parameters related to SPF route computation
hold-time	Configure the hold time between route computations
<i>i0</i>	hold time (in msec)
static	Force static spf computation

Command Mode

- /exec/configure/(fspf-config)

split-horizon per-site

split-horizon per-site | no split-horizon per-site

Syntax Description

no	Negate a command or set its defaults
split-horizon	Split horizon
per-site	For anycast border gateways within the same site

Command Mode

- /exec/configure/config-evpn-msite-bgw

sport

{ sport <sval> | no sport }

Syntax Description

no	Negate a command or set its defaults
sport	Outer UDP source port
<i>sval</i>	Source port

Command Mode

- /exec/configure/configngoamconnectcheck

sport

{ sport <sva1> } | { no sport }

Syntax Description

no	Negate a command or set its defaults
sport	Configure ngoam Udp source port range
<i>sva1</i>	Udp source port range, max span 1024, Example: 2000-3000,400,500

Command Mode

- /exec/configure/configngoamprofile

src-intf

```
{ src-intf <src_if> }
```

Syntax Description

src-intf	Interface on which the host with src ip of the payload is connected
<i>src_if</i>	Interface

Command Mode

- /exec/configure/configngoamccpayload

srv6

[no] srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure Traffic Engineering Segment Routing V6 related configurations

Command Mode

- /exec/configure/sr/te/sr

srv6

[no] srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure SRv6 (SR in IPv6) related configurations

Command Mode

- /exec/configure/config-sr

ssh

[no] ssh { kexalgos | ciphers | macs | keytypes } { all | <algo-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
kexalgos	key exchange methods that are used to generate per-connection keys
ciphers	ciphers to encrypt the connection
macs	message authentication codes used to detect traffic modification
keytypes	public key algorithms that the server can use to authenticate itself to the client
all	Control known weak SSH algorithms in current version of NX-OS in addition to the base set of strong algorithms
<i>algo-name</i>	Algorithm name to be configured

Command Mode

- /exec/configure/

ssh6

```
{ ssh6 <s0> [ [ vrf { <vrf-name> | <vrf-known-name> } ] [ source-ip <s2> ] [ interface <s1> ] ] | [
source-interface <intf> ] ] } | { ssh6 <s0> [ [ source-ip <s2> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [
interface <s1> ] ] | [ source-interface <intf> ] ] }
```

Syntax Description

ssh6	SSH to another system using IPv6 addressing
vrf	(Optional) vrf to use
source-ip	(Optional) ip address to bind
source-interface	(Optional) Select source interface
interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
s0	Enter hostname or user@hostname
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
s2	(Optional) Enter source ip address to bind
s1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
intf	(Optional)

Command Mode

- /exec

ssh

```
{ ssh <s0> [ [ vrf { <vrf-name> | <vrf-known-name> } ] [ source-ip <s1> ] ] | [ source-interface <intf> ] ] }
| { ssh <s0> [ [ source-ip <s1> ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] | [ source-interface <intf> ] ]
}
```

Syntax Description

ssh	SSH to another system
vrf	(Optional) Display per-VRF information
source-ip	(Optional) ip address to bind
source-interface	(Optional) Select source interface
s0	Enter hostname or user@hostname
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
s1	(Optional) Enter source ip address to bind
intf	(Optional)

Command Mode

- /exec

ssh cipher-mode weak

```
{ { ssh cipher-mode weak } | { no ssh cipher-mode [ weak ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
cipher-mode	Set Cipher-mode for ssh
weak	Enable Weak Ciphers

Command Mode

- /exec/configure/

ssh ciphers aes256-gcm

[no] ssh ciphers aes256-gcm

Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
ciphers	ciphers to encrypt the connection
aes256-gcm	<Deprecated> enable aes256-gcm

Command Mode

- /exec/configure/

ssh idle

```
{ ssh { idle-timeout <i0> } [ keepalive-count <i1> ] | no ssh idle-timeout }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
idle-timeout	SSH Client session idle timeout value
<i>i0</i>	Idle timeout value in seconds, 0 to disable, default is 0
keepalive-count	(Optional) Maximum count of SSH Keepalive packets to be sent to the ssh client
<i>i1</i>	(Optional) Count of SSH Keepalive packets sent to client, default is 0

Command Mode

- /exec/configure/

ssh key

```
{ ssh key { dsa [ force ] | rsa [ { <i0> | <oldrange> } [ force ] ] | ecdsa { <i0> } [ force ] } | no ssh key [ { dsa
[ force ] | rsa [ { <i0> | <oldrange> } [ force ] ] | ecdsa [ { <i0> } [ force ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
key	Generate SSH Key
dsa	Generate DSA keys
force	(Optional) Force the generation of keys even if previous ones are present
rsa	Generate RSA keys
<i>i0</i>	(Optional) Enter number of bits (in multiples of 8)
<i>oldrange</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	(Optional) Force the generation of keys even if previous ones are present
ecdsa	Generate ECDSA keys
<i>i0</i>	Enter key size in bits (256, 384 or 521)
force	(Optional) Force the generation of keys even if previous ones are present

Command Mode

- /exec/configure

ssh login-attempts

```
{ { ssh login-attempts <d0> } | { no ssh login-attempts [ <d0> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
login-attempts	Set maximum login attempts from ssh
<i>d0</i>	Specify max-attempt number

Command Mode

- /exec/configure/

ssh login-gracetime

```
{ { ssh login-gracetime <d0> } | { no ssh login-gracetime [ <d0> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
login-gracetime	Set login gracetime for ssh connection
<i>d0</i>	Specify grace time in seconds

Command Mode

- /exec/configure/

ssh port

{ ssh port { <port_number> } | no ssh port }

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
port	Set port number for ssh
<i>port_number</i>	Specify port number

Command Mode

- /exec/configure/

ssh rekey max-data max-time

[no] ssh rekey max-data <data> max-time <time>

Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
rekey	Renegotiate ssh key
max-data	data units are Kilo(K), Mega(M) and Giga(G)
<i>data</i>	Max data transmitted before key renegotiation
max-time	time units are Seconds(S), Minutes(M) and Hours(H)
<i>time</i>	Max time lapsed before key renegotiation

Command Mode

- /exec/configure/

ssm disable

[no] ssm disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

Command Mode

- /exec/configure/clock-if/fsync

ssm disable

[no] ssm disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

Command Mode

- /exec/configure/if-eth-base/fsync

ssm disable

[no] ssm disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

Command Mode

- /exec/configure/gnss-if/fsync

ssx exporter

[no] ssx exporter <exportername>

Syntax Description

ssx	change ssx settings
exporter	ssx Exporter to be configured
<i>exportername</i>	ssx Exporter to be configured

Command Mode

- /exec/configure/config-ssx

ssx monitor

[no] ssx monitor <monitorname>

Syntax Description

ssx	change ssx settings
monitor	ssx Monitor to be configured
<i>monitorname</i>	ssx Monitor to be configured

Command Mode

- /exec/configure/config-ssx

ssx record

[no] ssx record <recordname>

Syntax Description

ssx	change ssx settings
record	ssx Record to be configured
<i>recordname</i>	ssx Record to be configured

Command Mode

- /exec/configure/config-ssx

ssx system monitor

[no] ssx system monitor <monitorname>

Syntax Description

ssx	change ssx settings
system	global config
monitor	ssx Monitor to be applied
<i>monitorname</i>	ssx Monitor to be applied

Command Mode

- /exec/configure/config-ssx

ssx system system-id

[no] ssx system system-id <systemid>

Syntax Description

ssx	change ssx settings
system	global config
system-id	ssx system-id to be applied
<i>systemid</i>	ssx system-id to be applied, default 0

Command Mode

- /exec/configure/config-ssx

stage-flow

[no] stage-flow

Syntax Description

no	(Optional) Negate a command or set its defaults
stage-flow	Create flow on the switch without valid egress interface

Command Mode

- /exec/configure/nbm-flow-def

stage-flow

[no] stage-flow

Syntax Description

no	(Optional) Negate a command or set its defaults
stage-flow	Create flow on the switch without valid egress interface

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

standby

[no] standby [ip <ip-addr-first> | IPv6 <ip-addrv6-first>]

Syntax Description

no	(Optional) Negate a command or set its defaults
standby	Standby node
ip	(Optional) ip address for standby node
<i>ip-addr-first</i>	(Optional) ITD node IPv4 address
IPv6	(Optional) IPv6 address

Command Mode

- /exec/configure/itd-dg-node

start-threshold

[no] start-threshold <start-threshold-rate>

Syntax Description

no	(Optional) Negate the command
start-threshold	Configure Start-threshold parameters in bytes
<i>start-threshold-rate</i>	Specify start threshold-rate

Command Mode

- /exec/configure/pkt-drop/profile

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel5

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/se13

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel4

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/se16

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel7

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/outsel0

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/outsel5

start filter

start filter <seqno>

Syntax Description

start	Start a configured filter
filter	Configured FPT Filter
<i>seqno</i>	Sequence number

Command Mode

- /exec/flow-path-tracer

state

state <vstate> | no state

Syntax Description

no	Negate a command or set its defaults
state	Operational state of the VLAN
<i>vstate</i>	

Command Mode

- /exec/configure/vlan

state enabled

[no] state enabled

Syntax Description

no	(Optional) Negate a command or set its defaults
state	Port-profile state
enabled	Enable/ disable the port-profile

Command Mode

- /exec/configure/port-profile

static-pinning

[no] static-pinning

Syntax Description

no	(Optional) Negate a command or set its defaults
static-pinning	Pinning interface pairs for distinct source and its dlb interface

Command Mode

- /exec/configure/dyn-loadbalancing

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipacl /exec/configure/vacl

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
statistics	epbr statistics

Command Mode

- /exec/configure/epbr-policy

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipv6acl

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/macac1

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipv6acl

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipacl /exec/configure/vacl

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/mplsac1

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/macac1

stats-reporting-period

stats-reporting-period <time-in-sec> | no stats-reporting-period

Syntax Description

no	Negate a command or set its defaults
stats-reporting-period	Interval after which statistics are sent to the BMP server
<i>time-in-sec</i>	Delay value

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/sel7

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/eramns/se13

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/sel4

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/eramns/se15

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/sel6

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/outse0

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/outsel5

stop-threshold

[no] stop-threshold <stop-threshold-rate>

Syntax Description

no	(Optional) Negate the command
stop-threshold	Configure Stop-threshold parameters in bytes
<i>stop-threshold-rate</i>	

Command Mode

- /exec/configure/pkt-drop/profile

stop filter

stop filter <seqno>

Syntax Description

stop	Stop a configured filter
filter	Configured FPT Filter
<i>seqno</i>	Sequence number

Command Mode

- /exec/flow-path-tracer

stopbits

[no] stopbits <stopbits-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
stopbits	Set async line stopbits
<i>stopbits-value</i>	async line stopbits value

Command Mode

- /exec/configure/console

stopbits 1

[no] stopbits { 1 | 2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
stopbits	Set async line stopbits
1	One stop bit
2	Two stop bits

Command Mode

- /exec/configure/com1

storm-contrl multi

```
storm-contrl multi { { broadcast { blevel1 <level1> blevel2 <level2> } | multicast { mlevel1 <level1> mlevel2
<level2> } | unicast { ulevel1 <level1> ulevel2 <level2> } } | { action1 { shutdown1 | trap1 } action2 {
shutdown2 | trap2 } } } | no storm-contrl multi { { broadcast { blevel1 [ <level1> ] blevel2 [ <level2> ] } |
multicast { mlevel1 [ <level1> ] mlevel2 [ <level2> ] } | unicast { ulevel1 [ <level1> ] ulevel2 [ <level2> ] }
} | { action1 { shutdown1 | trap1 } action2 { shutdown2 | trap2 } } }
```

Syntax Description

no	Negate a command or set its defaults
storm-contrl	Configure Interface storm control
multi	Configure Interface storm control mutli
broadcast	Broadcast address storm control multi
multicast	Multicast address storm control mutli
unicast	Unicast address storm control multi
blevel1	Set allowed broadcast traffic level1 on this interface
mlevel1	Set allowed multicast traffic level1 on this interface
ulevel1	Set allowed unicast traffic level1 on this interface
blevel2	Set allowed broadcast traffic level2 on this interface
mlevel2	Set allowed multicast traffic level2 on this interface
ulevel2	Set allowed unicast traffic level2 on this interface
<i>level1</i>	Enter the storm suppression level1
<i>level2</i>	Enter the storm suppression level2
action1	Action1 on storm control
action2	Action2 on storm control
shutdown1	Shutdown (Err-Disable) port
trap1	Generate SNMP trap
shutdown2	Shutdown (Err-Disable) port
trap2	Generate SNMP trap

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-l2-non-member /exec/configure/if-eth-port-channel-switch

storm-control-cpu

storm-control-cpu { arp rate <pps> | all <pps2> } | no storm-control-cpu { arp | all }

Syntax Description

no	Negate a command or set its defaults
storm-control-cpu	Configure Interface storm control cpu
arp	arp storm control
rate	Set allowed arp traffic rate on this interface
<i>pps</i>	value in packets per sec
all	Set allowed rate for all traffic types
<i>pps2</i>	value in packets per sec

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

storm-control

```
storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel | port plevel } { pps <pps_val> | <level> } } } | action { shutdown | trap } } | no storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel | port plevel } { pps [ <pps_val> ] | [ <level> ] } } } | action [ shutdown | trap ] }
```

Syntax Description

no	Negate a command or set its defaults
storm-control	Configure Interface storm control
broadcast	Broadcast address storm control
multicast	Multicast address storm control
unicast	Unicast address storm control
port	Port level storm control
blevel	Set allowed broadcast traffic level on this interface
mlevel	Set allowed multicast traffic level on this interface
ulevel	Set allowed unicast traffic level on this interface
plevel	Set allowed Port traffic level on this interface
<i>level</i>	Enter the storm suppression level
pps	Storm-control level is specified in packets per second
<i>pps_val</i>	Enter the storm suppression level in pps
action	Action on storm control
shutdown	Shutdown (Err-Disable) port
trap	Generate SNMP trap

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

streetaddress

{ streetaddress <line> | no streetaddress }

Syntax Description

no	Negate a command or set its defaults
streetaddress	Configure replacement part shipping address.
<i>line</i>	Provide street address (white spaces are fine)

Command Mode

- /exec/configure/callhome

stub

```
{ { [ eigrp ] stub [ { [ direct | connected | static | summary ] [ redistributed ] } + [ leak-map <leak-map> ] | {
receive-only } ] } } | { no [ eigrp ] stub [ { [ direct | connected | static | summary ] [ redistributed ] } + [ leak-map
<leak-map> ] | { receive-only } ] } }
```

Syntax Description

no	Negate a command or set its defaults
eigrp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
stub	Set IP-EIGRP as stubbed router
direct	(Optional) Do advertise connected routes
connected	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
static	(Optional) Do advertise static routes
summary	(Optional) Do advertise summary routes
redistributed	(Optional) Do advertise redistributed routes
leak-map	(Optional) Allow dynamic prefixes based on the leak-map
<i>leak-map</i>	(Optional) leak-map name
receive-only	(Optional) Set IP-EIGRP as receive only neighbor

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

subscription

[no] subscription <sub-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
subscription	Create a Subscription
<i>sub-id</i>	Identifier

Command Mode

- /exec/configure/telemetry

summary-address

[no] summary-address { <ip-dest> <ip-mask> | <ip-prefix> } [tag <tagval> | not-advertise]

Syntax Description

no	(Optional) Negate a command or set its defaults
summary-address	Configure route summarization for redistribution
<i>ip-dest</i>	IP prefix format: i.i.i.i
<i>ip-mask</i>	IP network mask format: m.m.m.m
<i>ip-prefix</i>	IP prefix format: x.x.x.x/ml
tag	(Optional) 32-bit tag value
<i>tagval</i>	(Optional) 32-bit tag value
not-advertise	(Optional) Suppress advertising the specified summary

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

summary-address

summary-address { <ip-addr> <ip-mask> | <ip-prefix> } <level> | no summary-address { <ip-addr> <ip-mask> | <ip-prefix> } [<level>]

Syntax Description

no	Negate a command or set its defaults
summary-address	Configure IP address summaries
<i>ip-addr</i>	IP summary address
<i>ip-mask</i>	IP summary mask
<i>ip-prefix</i>	IP summary prefix
<i>level</i>	Level to summarize into

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common /exec/configure/router-isis/router-isis-af-ipv4

summary-address

summary-address <ipv6-prefix> <level> | no summary-address <ipv6-prefix> [<level>]

Syntax Description

no	Negate a command or set its defaults
summary-address	Configure IP address summaries
<i>level</i>	Level to summarize into

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

summary-address

[no] summary-address <ipv6-prefix> [tag <tagval> | not-advertise]

Syntax Description

no	(Optional) Negate a command or set its defaults
summary-address	Configure route summarization for redistribution
tag	(Optional) 32-bit tag value
<i>tagval</i>	(Optional) 32-bit tag value
not-advertise	(Optional) Suppress advertising the specified summary

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

suppress-arp

[no] suppress-arp [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-arp	Enable ARP suppression
disable	(Optional) Override the global ARP suppression config

Command Mode

- /exec/configure/if-nve/vni

suppress-fib-pending

[no] suppress-fib-pending

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-fib-pending	Advertise only routes that are programmed in hardware to peers

Command Mode

- /exec/configure/router-bgp

suppress-fib-pending

[no] suppress-fib-pending

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-fib-pending	Advertise only routes that are programmed in hardware to peers

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

suppress-inactive

[no | default] suppress-inactive

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
suppress-inactive	Advertise only active routes to peer

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

suppress-inactive

[no] suppress-inactive

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-inactive	Advertise only active routes to peers

Command Mode

- /exec/configure/router-bgp/router-bgp-af

suppress-signaling-protocol ldp

[no | default] suppress-signaling-protocol ldp

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
suppress-signaling-protocol	Suppress VPLS BGP AD protocol
ldp	LDP signaling

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-l2vpn-vpls

suppress mac-route

[no] suppress mac-route

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress	Suppress MAC only route advertisement
mac-route	MAC route

Command Mode

- /exec/configure/if-nve

suppress nd

[no] suppress nd

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress	Enable Suppression
nd	Enable ND Suppression for ARP suppression enabled VNIs

Command Mode

- /exec/configure/if-nve

switch-id

switch-id <asid> | no switch-id

Syntax Description

no	Negate a command or set its defaults
switch-id	Configure Switch ID
<i>asid</i>	Anycast Switch ID

Command Mode

- /exec/configure/anycast

switch-latency

[no] switch-latency

Syntax Description

switch-latency	Enable switch-latency. Default is end to end latency.
----------------	---

Command Mode

- /exec/configure/analytics/system

switch-latency

[no] switch-latency

Syntax Description

switch-latency	Enable switch-latency. Default is end to end latency.
----------------	---

Command Mode

- /exec/configure/nfm-system

switch-priority

{ switch-priority <i0> | no switch-priority }

Syntax Description

no	Negate a command or set its defaults
switch-priority	Priority of the switch(0-highest 7-lowest)
<i>i0</i>	Priority of the switch(0-highest 7-lowest)

Command Mode

- /exec/configure/callhome

switch-profile

[no] switch-profile <s0> { profile-only { local | all } | local-config | all-config }

Syntax Description

no	Negate a command or set its defaults
switch-profile	Enter switch-profile configuration mode
s0	Enter the name of the switch-profile
profile-only	Deletion of profile only and no other configuration
local	Deletion of profile only and no other configurations in local switch
all	Deletion of profile only and no other configurations from all the peers
local-config	Deletion of profile and local configuration
all-config	Deletion of profile, local and peer configurations

Command Mode

- /exec/configure

switch-profile

switch-profile <s0>

Syntax Description

switch-profile	Enter switch-profile configuration mode
<i>s0</i>	Enter the name of the switch-profile

Command Mode

- /exec/configure

switch-role border-leaf

[no] switch-role border-leaf

Syntax Description

no	(Optional) Negate a command or set its defaults
switch-role	Switch Role
border-leaf	Border Leaf

Command Mode

- /exec/configure/nbm-controller

switchback

switchback

Syntax Description

switchback	switchback to default vdc
------------	---------------------------

Command Mode

- /exec

switching-mode fabric-speed 40g

[no] switching-mode fabric-speed 40g

Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
fabric-speed	fabric speed settings
40g	fabric speed at 40g instead of 42g

Command Mode

- /exec/configure

switching-mode fast-to-slow-speed-cut-through

[no] switching-mode fast-to-slow-speed-cut-through

Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
fast-to-slow-speed-cut-through	Operate in fast-to-slow speed cut-through mode

Command Mode

- /exec/configure

switching-mode store-forward

[no] switching-mode store-forward

Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
store-forward	Operate in store and forward mode

Command Mode

- /exec/configure

switchport

switchport

Syntax Description

switchport	Configure switchport parameters
------------	---------------------------------

Command Mode

- /exec/configure/if-eth-non-member /exec/configure/if-ethernet-all /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

switchport

[no] switchport

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-eth-non-member /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-eth-port-channel-switch

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-veth

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-ethernet-all

switchport autostate exclude

```
switchport autostate exclude [ vlan { <exclude-vlans> | add <add-vlans> | except <except-vlans> | remove
<remove-vlans> | all | none } ] | no switchport autostate exclude [ dummy ] [ vlan { <exclude-vlans> | add
<add-vlans> } ]
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
autostate	Include or exclude this port from vlan link up calculation
exclude	Exclude this port from vlan link up calculation
vlan	(Optional) VLAN Id
<i>exclude-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
add	(Optional) add VLANs to except list
<i>add-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
except	(Optional) List of VLANs to excepted from auto-state exclude
<i>except-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
remove	(Optional) remove VLANs from except list
<i>remove-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
all	(Optional) Exclude all VLANs
none	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
dummy	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-port-channel-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-remote-ethernet-switch

switchport backup interface

[no] switchport backup interface <if0> [__readonly__ <from_snmp>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
__readonly__	(Optional) Read Only
<i>from_snmp</i>	(Optional) Configuration comes from SNMP

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface

[no] switchport backup interface <if0> [__readonly__ <from_snmp>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
__readonly__	(Optional) Read Only
<i>from_snmp</i>	(Optional) Configuration comes from SNMP

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface multicast fast-convergence

[no] switchport backup interface <if0> multicast fast-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
multicast	multicast parameters
fast-convergence	configure fast convergence on backup interface

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface multicast fast-convergence

[no] switchport backup interface <if0> multicast fast-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
multicast	multicast parameters
fast-convergence	configure fast convergence on backup interface

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption delay

{ switchport backup interface <if0> preemption delay <delay_secs> } | { no switchport backup interface <if0> preemption delay }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
delay	preemption parameters
<i>preemption</i>	delay
<i>delay_secs</i>	preemption delay in seconds

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption delay

{ switchport backup interface <if0> preemption delay <delay_secs> } | { no switchport backup interface <if0> preemption delay }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
delay	preemption parameters
<i>preemption</i>	delay
<i>delay_secs</i>	preemption delay in seconds

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption mode

{ switchport backup interface <if0> preemption mode <preempt_mode> } | { no switchport backup interface <if0> preemption mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
mode	set the preemption mode
<i>preemption</i>	mode
<i>preempt_mode</i>	preemption mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption mode

{ switchport backup interface <if0> preemption mode <preempt_mode> } | { no switchport backup interface <if0> preemption mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
mode	set the preemption mode
<i>preemption</i>	mode
<i>preempt_mode</i>	preemption mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport beacon

[no] switchport beacon

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
beacon	Disable/enable the beacon for an interface

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-legacy-eth

switchport block unicast

switchport block { unicast | multicast } | no switchport block { unicast | multicast }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
block	Block specified outbound traffic for all VLANs
unicast	Block unknown unicast traffic
multicast	Block flood multicast traffic

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport description

switchport description <desc_line> | no switchport description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-iscsi /exec/configure/if-fcip /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-gig-ether /exec/configure/if-fa /exec/configure/if-fv /exec/configure/if-san-port-channel /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-gig-ether-sub /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

switchport dot1q ethertype

switchport dot1q ethertype { 0x8100 | 0x88A8 | 0x9100 | <any> } | no switchport dot1q ethertype [<any>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
dot1q	Configure dot1q EtherType value
ethertype	Configure dot1q EtherType value
0x8100	Default EtherType for 802.1q frames
0x88A8	EtherType for 802.1ad double tagged frames
0x9100	EtherType for QinQ frames
any	Any EtherType

Command Mode

- /exec/configure/if-eth-12-non-member /exec/configure/if-ethernet-all

switchport dot1q ethertype

switchport dot1q ethertype { 0x8100 | 0x88A8 | 0x9100 | <any> } | no switchport dot1q ethertype [<any>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
dot1q	Configure dot1q EtherType value
ethertype	Configure dot1q EtherType value
0x8100	Default EtherType for 802.1q frames
0x88A8	EtherType for 802.1ad double tagged frames
0x9100	EtherType for QinQ frames
<i>any</i>	Any EtherType

Command Mode

- /exec/configure/if-eth-port-channel-switch

switchport duplex

```
{ switchport duplex { auto | full | half } | no switchport duplex [ { auto | full | half } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
duplex	Enter the port duplex mode
auto	auto negotiate duplex mode
full	full duplex mode
half	half duplex mode

Command Mode

- /exec/configure/if-legacy-eth /exec/configure/if-mgmt-ether

switchport host

[no] switchport host

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
host	Set port host

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-switch
/exec/configure/if-ethernet-switch-m /exec/configure/if-ethernet-all

switchport ignore bit-errors

{ switchport ignore bit-errors | no switchport ignore bit-errors }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
ignore	Enter parameter to be ignored
bit-errors	ignore bit-errors

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

switchport isolated

[no] switchport isolated

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
isolated	Disable loop-free detection.

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mac-address static

[no] switchport mac-address { static-only }

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
mac-address	Mac-address related configuration
static-only	Enable restricted access on sub-interfaces and permit only static-mac traffic

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mac-learn disable

switchport mac-learn disable | no switchport mac-learn disable

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mac-learn	Disable/enable mac learning on interface
disable	Disable mac learning on all VLANs on interface

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-veth

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-fcip

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-san-port-channel

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

switchport mode fabricpath

[no] switchport mode fabricpath

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
fabricpath	port mode fabricpath

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode monitor buffer-limit

switchport mode monitor buffer-limit { <value> [packets | bytes | kbytes | mbytes] } | no switchport mode monitor buffer-limit

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
monitor	Configures an interface as span-destination
buffer-limit	Set buffer limit for span destination
<i>value</i>	Limit in terms of packets
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes

Command Mode

- /exec/configure/if-eth-12-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode private-vlan

```
{ switchport mode private-vlan <pvlan_mode> } | { no switchport mode private-vlan [ <pvlan_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
<i>pvlan_mode</i>	private vlan mode

Command Mode

- /exec/configure/if-veth

switchport mode private-vlan

```
{ switchport mode private-vlan <port_mode> } | { no switchport mode private-vlan [ <port_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
<i>port_mode</i>	private vlan mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-remote-ethernet-switch

switchport mode private-vlan trunk

```
{ switchport mode private-vlan trunk <trunk_mode> } | { no switchport mode private-vlan trunk [
<trunk_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
trunk	private-vlan trunk
<i>trunk_mode</i>	private vlan trunk mode

Command Mode

- /exec/configure/if-veth

switchport mode private-vlan trunk

```
{ switchport mode private-vlan trunk <trunk_mode> } | { no switchport mode private-vlan trunk [ <trunk_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
trunk	private-vlan trunk
<i>trunk_mode</i>	private vlan trunk mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-remote-ethernet-switch

switchport monitor

switchport monitor [ingress [learning]] | no switchport monitor

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
monitor	Configures an interface as span-destination
ingress	(Optional) Enables the forwarding on incoming packets
learning	(Optional) Enables mac-learning

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mtu

{ switchport mtu <i0> | no switchport mtu [<i0>] }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mtu	Configure mtu for the port
<i>i0</i>	Enter mtu

Command Mode

- /exec/configure/if-san-port-channel /exec/configure/if-gig-ether-sub /exec/configure/if-legacy-eth

switchport owner

{ switchport owner { <owner_str> } | no switchport owner }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
owner	Specify the owner of an interface
<i>owner_str</i>	Owner of maximum 80 characters

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

switchport port-security

[no] switchport port-security

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security aging time

switchport port-security aging time { 0 | <value> } | no switchport port-security aging time [[0 | <value>]]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
aging	Port-security aging commands
time	Port-security aging time
0	0 disables aging
<i>value</i>	Aging time in minutes. Enter a value between 1 and 1440

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security aging type absolute

[no] switchport port-security aging type { absolute | inactivity }

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
aging	Port-security aging commands
type	Type of timers
absolute	Absolute Timer
inactivity	Inactivity Timer

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security mac-address

[no] switchport port-security mac-address <mac-address> [vlan <vlanid>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
mac-address	MAC address
<i>mac-address</i>	48 bit mac address format HHHH.HHHH.HHHH
vlan	(Optional) Vlan on which the mac address should be secured
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security mac-address sticky

[no] switchport port-security mac-address sticky

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
mac-address	MAC address
sticky	Sticky MAC address

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security maximum

[no] switchport port-security maximum <value> [vlan <vlanid>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
maximum	Max secure addresses
<i>value</i>	Maximum addresses 1 to 1025
vlan	(Optional) Vlan on which the mac address should be secured
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security violation

[no] switchport port-security violation { protect | restrict | shutdown }

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
violation	Security violation mode
protect	security violation protect mode
restrict	security violation restrict mode
shutdown	security violation shutdown mode

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport priority extend cos

{ switchport priority extend { cos <cos-value> | trust } | no switchport priority extend }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
priority	CoS Priority parameter
extend	Enter priority extend mode
cos	Switch will send CDP packet to instruct phone to mark data traffic with CoS value
<i>cos-value</i>	Trust CoS value to be sent to the IP Phone
trust	Switch will send CDP packet to instruct phone to trust tagged data traffic

Command Mode

- /exec/configure/if-eth-12-non-member /exec/configure/if-ethernet-all

switchport private-vlan association trunk

```
{ switchport private-vlan association trunk <primary-vlan> <secondary-vlan> } | { no switchport private-vlan association trunk [ <primary-vlan> [ <secondary-vlan> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
association	private vlan trunk association
trunk	private-vlan trunk secondary
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-veth

switchport private-vlan association trunk

{ switchport private-vlan association trunk <primary-vlan> <secondary-vlan> } | { no switchport private-vlan association trunk [<primary-vlan> [<secondary-vlan>]] }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
association	private vlan trunk association
trunk	private-vlan trunk secondary
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan host-association

{ switchport private-vlan host-association <primary-vlan> <secondary-vlan> } | { no switchport private-vlan host-association }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
host-association	Set the private VLAN host association
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-veth

switchport private-vlan host-association

{ switchport private-vlan host-association <primary-vlan> <secondary-vlan> } | { no switchport private-vlan host-association }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
host-association	Set the private VLAN host association
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan mapping

```
{ switchport private-vlan mapping <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no switchport private-vlan mapping [ <primary-vlan> <secondary_vlans> ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-veth

switchport private-vlan mapping

```
{ switchport private-vlan mapping <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no switchport private-vlan mapping [ <primary-vlan> <secondary_vlans> ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan mapping trunk

```
{ switchport private-vlan mapping trunk <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no
switchport private-vlan mapping trunk [ <primary-vlan> [ <secondary_vlans> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
trunk	private-vlan trunk promiscuous
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-veth

switchport private-vlan mapping trunk

```
{ switchport private-vlan mapping trunk <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no
switchport private-vlan mapping trunk [ <primary-vlan> [ <secondary_vlans> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
trunk	private-vlan trunk promiscuous
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan trunk allowed vlan

switchport private-vlan trunk allowed vlan { <allowed-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport private-vlan trunk allowed vlan <no-allowed-vlans>

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
trunk	Set the private vlan trunking configuration
allowed	Set allowed VLANs when interface is in private-vlan trunking mode
vlan	VLAN status
<i>allowed-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
all	all VLANs
none	no VLANs
no	Negate a command or set its defaults
<i>no-allowed-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode

Command Mode

- /exec/configure/if-veth

switchport private-vlan trunk allowed vlan

switchport private-vlan trunk allowed vlan { <allowed-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport private-vlan trunk allowed vlan <no-allowed-vlans>

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
trunk	Set the private vlan trunking configuration
allowed	Set allowed VLANs when interface is in private-vlan trunking mode
vlan	VLAN status
<i>allowed-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
all	all VLANs
none	no VLANs
no	Negate a command or set its defaults
<i>no-allowed-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan trunk native vlan

{ switchport private-vlan trunk native vlan <native-vlan> } | { no switchport private-vlan trunk native vlan }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
no	Negate a command or set its defaults
trunk	Set the private vlan trunking configuration
native	Set the private vlan trunking native configuration
vlan	VLAN status
<i>native-vlan</i>	native vlan id

Command Mode

- /exec/configure/if-veth

switchport private-vlan trunk native vlan

{ switchport private-vlan trunk native vlan <native-vlan> } | { no switchport private-vlan trunk native vlan }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
no	Negate a command or set its defaults
trunk	Set the private vlan trunking configuration
native	Set the private vlan trunking native configuration
vlan	VLAN status
<i>native-vlan</i>	native vlan id

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport promiscuous-mode off

switchport promiscuous-mode { off | on }

Syntax Description

switchport	Configure switchport parameters
promiscuous-mode	Configure promiscuous mode for the port
off	Disable promiscuous mode
on	Enable promiscuous mode

Command Mode

- /exec/configure/if-san-port-channel /exec/configure/if-gig-ether-sub /exec/configure/if-legacy-eth

switchport speed

```
{ switchport speed { 1000 | 2000 | 4000 | 8000 | 10000 | 16000 | 32000 | auto [ max { 20001 | 40001 | 80001
| 160001 | 320001 } ] } | no switchport speed [ { 1000 | 2000 | 4000 | 8000 | 10000 | 16000 | 32000 | auto [
max { 20001 | 40001 | 80001 | 160001 | 320001 } ] } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
speed	Enter the port speed
1000	1000 Mbps speed
2000	2000 Mbps speed
4000	4000 Mbps speed
8000	8000 Mbps speed
10000	10000 Mbps speed
16000	16000 Mbps speed
32000	32000 Mbps speed
auto	auto negotiate speed
max	(Optional) Maximum speed
20001	(Optional) Maximum speed is 2000
40001	(Optional) Maximum speed is 4000
80001	(Optional) Maximum speed is 8000
160001	(Optional) Maximum speed is 16000
320001	(Optional) Maximum speed is 32000

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-port-channel /exec/configure/if-san-port-channel

switchport speed

{ switchport speed { 10 | 100 | 1000 | auto } | no switchport speed [{ 10 | 100 | 1000 | auto }] }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
speed	Enter the port speed
10	10 Mbps speed
100	100 Mbps speed
1000	1000 Mbps speed
auto	auto negotiate speed

Command Mode

- /exec/configure/if-mgmt-ether

switchport trunk allow-multi-tag

switchport trunk allow-multi-tag | no switchport trunk allow-multi-tag

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allow-multi-tag	Allows Multiple Q-Tags

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport trunk allowed vlan

switchport trunk allowed vlan { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport trunk allowed vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Set allowed VLAN characteristics when interface is in trunking mode
vlan	Set allowed VLANs when interface is in trunking mode
<i>allow-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
all	all VLANs
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
none	no VLANs
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode

Command Mode

- /exec/configure/if-veth

switchport trunk allowed vlan

switchport trunk allowed vlan { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport trunk allowed vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Set allowed VLAN characteristics when interface is in trunking mode
vlan	Set allowed VLANs when interface is in trunking mode
<i>allow-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
all	all VLANs
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
none	no VLANs
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport trunk allowed vsan

```
{ switchport trunk allowed vsan { add <i0> | all | <i1> [ no-warning ] } | no switchport trunk allowed vsan [
{ add <i0> | all | <i1> } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Configure allowed list for interface(s)
vsan	Configure allowed list for interface(s)
add	give VSAN id range to add to allowed vsan list
<i>i0</i>	VSAN id range
all	add all the vsans to allowed vsan list
<i>i1</i>	VSAN id range
no-warning	(Optional) Avoid displaying a warning message and user prompt for this command

Command Mode

- /exec/configure/if-vfc

switchport trunk allowed vsan

```
{ switchport trunk allowed vsan { add <i0> | all | <i1> [ no-warning ] } | no switchport trunk allowed vsan [
{ add <i0> | all | <i1> } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Configure allowed list for interface(s)
vsan	Configure allowed list for interface(s)
add	give VSAN id range to add to allowed vsan list
<i>i0</i>	VSAN id range
all	add all the vsans to allowed vsan list
<i>il</i>	VSAN id range
no-warning	(Optional) Avoid displaying a warning message and user prompt for this command

Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcip /exec/configure/if-svc /exec/configure/if-bay /exec/configure/if-ext

switchport trunk l3-multicast receiver-vlan

switchport trunk l3-multicast receiver-vlan <vlan-id> | no switchport trunk l3-multicast receiver-vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
l3-multicast	L3 multicast configuration
receiver-vlan	Set the receiver vlan ID for L3 multicast
<i>vlan-id</i>	vlan

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

switchport trunk mode

{ switchport trunk mode { <trunk_mode> } | no switchport trunk mode [{ <trunk_mode> }] }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
mode	Configure trunking mode
<i>trunk_mode</i>	Trunk mode

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-port-channel /exec/configure/if-fcip /exec/configure/if-san-port-channel /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

switchport trunk native vlan

switchport trunk native vlan <vlan-id-native> | no switchport trunk native vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
native	Set trunking native characteristics when interface is in trunking mode
vlan	Set native VLAN when interface is in trunking mode
<i>vlan-id-native</i>	VLAN ID of the native VLAN when this port is in trunking mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport trunk native vlan

switchport trunk native vlan <vlan-id-native> | no switchport trunk native vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
native	Set trunking native characteristics when interface is in trunking mode
vlan	Set native VLAN when interface is in trunking mode
<i>vlan-id-native</i>	VLAN ID of the native VLAN when this port is in trunking mode

Command Mode

- /exec/configure/if-veth

switchport trunk pruning vlan except add remove none all

{ no switchport trunk pruning vlan [<vlan-ids>] | switchport trunk pruning vlan <vlan-ids> | switchport trunk pruning vlan except <vlan-ids> | switchport trunk pruning vlan add <vlan-ids> | switchport trunk pruning vlan remove <vlan-ids> | switchport trunk pruning vlan none | switchport trunk pruning vlan all }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
pruning	Set pruning VLAN characteristics when interface is in trunking mode
vlan	Enter VLANs
add	add VLANs to the current list
remove	remove VLANs from the current list
except	all VLANs except the following
none	no VLANs
all	all VLANs
<i>vlan-ids</i>	(Optional) Enter VLANs

Command Mode

- /exec/configure/if-switching

switchport virtual-ethernet-bridge

switchport virtual-ethernet-bridge | no switchport virtual-ethernet-bridge

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
virtual-ethernet-bridge	Enable hair-pin forwarding

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping

[no] switchport vlan mapping <vlan-id-orig> [inner <vlan-id-inner>] <vlan-id-translated>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
<i>vlan-id-orig</i>	VLAN ID 1-4094
inner	(Optional) inner vlanid
<i>vlan-id-inner</i>	(Optional) Inner VLAN ID
<i>vlan-id-translated</i>	Translated VLAN ID

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping all

[no] switchport vlan mapping all

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
all	all VLANs

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch

switchport vlan mapping all dot1q-tunnel

[no] switchport vlan mapping all dot1q-tunnel <vlan-id-translated>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
all	all VLANs
dot1q-tunnel	selective dot1q-tunnel
<i>vlan-id-translated</i>	Translated VLAN ID

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping dot1q-tunnel

[no] switchport vlan mapping <vlan-id-orig2> dot1q-tunnel <vlan-id-translated>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
<i>vlan-id-orig2</i>	VLAN ID 1-4094 or Vlan range(s): 1-5, 10 or 2-5,7-19 for Selective dot1q-tunnel
dot1q-tunnel	selective dot1q-tunnel
<i>vlan-id-translated</i>	Translated VLAN ID

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping dot1q-tunnel allowed-vlan

[no] switchport vlan mapping dot1q-tunnel allowed-vlan <vlan-id-list>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
dot1q-tunnel	selective dot1q-tunnel
allowed-vlan	Set allowed VLAN characteristics when interface is in trunking mode
<i>vlan-id-list</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping enable

[no] switchport vlan mapping enable

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
enable	enable/disable VLAN translation

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport voice vlan

switchport voice vlan { <vlan-id-voice> | dot1p | untagged } | no switchport voice vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
voice	Set voice mode characteristics of the interface
vlan	Set VLAN for VoIP traffic
<i>vlan-id-voice</i>	VLAN ID of the VLAN configured for VoIP traffic
dot1p	Switch will send CDP packets to instruct IP phone to send voice traffic in 802.1p frames
untagged	Switch will send CDP packets to instruct IP phone to send voice traffic untagged

Command Mode

- /exec/configure/if-ethernet-all

switchport voice vlan

switchport voice vlan { <vlan-id-voice> | dot1p | untagged } | no switchport voice vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
voice	Set voice mode characteristics of the interface
vlan	Set VLAN for VoIP traffic
<i>vlan-id-voice</i>	VLAN ID of the VLAN configured for VoIP traffic
dot1p	Switch will send CDP packets to instruct IP phone to send voice traffic in 802.1p frames
untagged	Switch will send CDP packets to instruct IP phone to send voice traffic untagged

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

switchto vdc

```
switchto vdc <e-vdc2> [ force ] [ bypass ] [ __readonly__ <vdc_id> <invalid_vdc_id> <noauth_vdc_id>
<no_first> ]
```

Syntax Description

switchto	Goto specific Virtual Device Context <vdc-name> <vdc-id>
vdc	Manage Virtual Device Context
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
<i>__readonly__</i>	(Optional) Read Only
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>invalid_vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>noauth_vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>no_first</i>	(Optional) Enter Virtual Device Context <vdc-id>
bypass	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/

SWWN

[no] swwn <wwn0> [domain <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
swwn	Switch WWN
<i>wwn0</i>	WWN of the Switch
domain	(Optional) Switch Insistent Domain Identifier
<i>i1</i>	(Optional) Domain-id of Switch

Command Mode

- /exec/configure/fabric-binding

sync-peers destination

sync-peers destination <dst-ip> [source <src-ip> | vrf <vrf-name>] + | no sync-peers destination [<dst-ip> [source <src-ip>]]

Syntax Description

no	Negate a command or set its defaults
sync-peers	Specify peers to whom configuration needs to be synced
destination	Specify destination ip address of peer switch
<i>dst-ip</i>	IPv4 address (A.B.C.D) of destination
source	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) vrf to be used

Command Mode

- /exec/configure

sync duration

[no] sync duration <sec> [renew-offset <off>]

Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
duration	session duration
renew-offset	(Optional) session duration renewal offset
<i>sec</i>	seconds
<i>off</i>	(Optional) offset

Command Mode

- /exec/configure/ptp-ucastr-nego-schema

sync duration range

[no] sync duration range <min> <max>

Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
duration	session duration
range	range of acceptable values
<i>min</i>	minimum in seconds
<i>max</i>	maximum in seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

sync interval

[no] sync interval <intv>

Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
interval	interval
<i>intv</i>	log seconds

Command Mode

- /exec/configure/ptp-ucast-nego-schema

sync interval range

[no] sync interval range <min> <max>

Syntax Description

no	(Optional) Negate a command or set its defaults
sync	sync
interval	interval
range	range of acceptable values
<i>min</i>	minimum in log seconds
<i>max</i>	maximum in log seconds

Command Mode

- /exec/configure/ptp-uicast-nego-schema

system-mac

system-mac <sysmac> | no system-mac

Syntax Description

no	Negate a command or set its defaults
system-mac	Configure system mac address
<i>sysmac</i>	specify system mac address

Command Mode

- /exec/configure/vpc-domain

system-priority

system-priority <syspri> | no system-priority <syspri>

Syntax Description

no	Negate a command or set its defaults
system-priority	Configure system priority
<i>syspri</i>	specify system priority

Command Mode

- /exec/configure/vpc-domain

system

[no] system { default switchport { shutdown san | mode F | trunk mode1 { auto | off | on } } | delayed-traps { enable mode2 FX | timer <i0> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure default values for switchport attributes
shutdown	Configure admin state
san	SAN
mode	Enter the port mode
F	F system default port mode
trunk	Configure trunking parameters as a default
mode1	Configure trunking mode
auto	Autosense trunking
off	Disable trunking
on	Enable trunking
delayed-traps	Configure system delayed trap values
enable	Configure system delayed trap state
mode2	Configure system delayed trap state
FX	Configure system delayed trap state
timer	Configure system delayed trap timeout value
i0	Configure number of minutes

Command Mode

- /exec/configure

system acl-adjacency-sharing

system no acl-adjacency-sharing

Syntax Description

system	System management commands
no	Negate a command or set its defaults
acl-adjacency-sharing	disable acl adjacency sharing for zoning/fc-nat rules

Command Mode

- /exec

system acl-adjacency-sharing

system acl-adjacency-sharing

Syntax Description

system	System management commands
acl-adjacency-sharing	enable acl adjacency sharing for zoning/ivr/fc-nat rules

Command Mode

- /exec

system acl

[no] system acl

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
acl	ACL parameters

Command Mode

- /exec/configure

system auto-collect tech-support

system [no] auto-collect tech-support [timeout <time>]

Syntax Description

system	System management commands
no	(Optional) Negate a command or set its defaults
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset
timeout	(Optional) Collect tech-support timeout
<i>time</i>	(Optional) Timeout in seconds

Command Mode

- /exec

system cores

```
{ system cores { { <uri0> } | { <uri1> vrf <vrf-known-name> } } | no system cores [ { { <uri0> } | { <uri1> vrf <vrf-known-name> } } ] }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
cores	Copy cores to destination
<i>uri0</i>	Select destination filesystem
<i>uri1</i>	Select destination filesystem
vrf	Enter the vrf name
<i>vrf-known-name</i>	VRF name

Command Mode

- /exec/configure

system default interface-vlan autostate

[no] system default interface-vlan autostate

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
interface-vlan	Configure interface-vlan
default	Configure system default values
autostate	Enable or disable autostate for entire system

Command Mode

- /exec/configure

system default interface

```
{ system default interface { congestion { timeout <i0> mode { core | edge } | mode { core | edge } } | pause
{ timeout <i1> mode1 { core | edge } | mode1 { core | edge } } } | no system default interface { congestion {
timeout <i0> mode { core | edge } | mode { core | edge } } | pause { timeout <i1> mode1 { core | edge } |
mode1 { core | edge } } } }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
interface	Configure system default interface values
congestion	Configure system timeout values for congestion drop
pause	Configure system timeout values for pause frame
timeout	Configure system timeout values
<i>i0</i>	Configure number of milliseconds
<i>i1</i>	Configure number of milliseconds
mode	Configure mode
mode1	Configure mode
core	Enter the port type
edge	Enter the port type

Command Mode

- /exec/configure

system default interface

```
{ system default interface { congestion { timeout <i0> mode { core | edge } | mode { core | edge } } | pause
{ timeout <i1> mode1 { core | edge } | mode1 { core | edge } } } | no system default interface { congestion {
timeout <i0> mode { core | edge } | mode { core | edge } } | pause { timeout <i1> mode1 { core | edge } |
mode1 { core | edge } } } }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
interface	Configure system default interface values
congestion	Configure system timeout values for congestion drop
pause	Configure system timeout values for pause frame
timeout	Configure system timeout values
<i>i0</i>	Configure number of milliseconds
<i>i1</i>	Configure number of milliseconds
mode	Configure mode
mode1	Configure mode
core	Enter the port type
edge	Enter the port type

Command Mode

- /exec/configure

system default link-fail laser-on

[no] system default link-fail laser-on

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
link-fail	Configure system default values for link-fail
laser-on	Configure system default values for link-fail laser-on

Command Mode

- /exec/configure

system default reset-dei

[no] system default reset-dei

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Information
default	Default
reset-dei	Reset dei bit

Command Mode

- /exec/configure

system default route-map validate-applied

{ [no] system default route-map validate-applied }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
route-map	Configure route-map parameters
validate-applied	Prevent deletion if route-map is still in use

Command Mode

- /exec/configure

system default switchport

{ [no] system default switchport }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport

Command Mode

- /exec/configure

system default switchport fabricpath

{ system default switchport fabricpath | no system default switchport fabricpath }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport
fabricpath	Configure default port mode as fabricpath

Command Mode

- /exec/configure

system default switchport shutdown

{ [no] system default switchport shutdown }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport
shutdown	Configure admin state

Command Mode

- /exec/configure

system default tx-credit double-queue

[no] system default tx-credit double-queue

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
tx-credit	Configure default values for tx credit queue type
double-queue	Configure tx credit queue as double queue

Command Mode

- /exec/configure

system default zone

[no] system default zone { default-zone permit | distribute full | gs { read | read-write } | mode enhanced | smart-zone enable }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
zone	Configure default values for zone
default-zone	Configure default values for default-zone
permit	Default-zone permit/deny by default
distribute	Configure default values for zoneset distribute
full	Distribute full/active by default
gs	Configure default zone generic services permission
read	Default zone generic services permission as read
read-write	Default zone generic services permission as read-write
mode	Configure default values for zone-mode
enhanced	Default zone-mode basic/enhanced
smart-zone	Configure default values for smart-zone
enable	Default smart-zone enable/disable

Command Mode

- /exec/configure

system dot1q-tunnel transit

{ system dot1q-tunnel transit [vlan <vlan-range>] } | { [no] system dot1q-tunnel transit }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
dot1q-tunnel	Dot1Q tunnel
transit	Transit box for multi-tag Ethernet Frames
vlan	(Optional) vlan
<i>vlan-range</i>	(Optional) Provider VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

system fabric-mode full-rate

[no] system fabric-mode full-rate

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
fabric-mode	Configure the operating mode of the fabrics
full-rate	Operates fabrics in Full Rate Mode

Command Mode

- /exec/configure

system fast-reload stabilization-timer

{ system fast-reload stabilization-timer <time> | no system fast-reload stabilization-timer }

Syntax Description

no	Negate a command or set its defaults
system	System management commands
fast-reload	fast-reload software
stabilization-timer	Network stabilization time in seconds before fast-reload can be executed after the previous reload
<i>time</i>	time in secs

Command Mode

- /exec/configure

system flash sda resize

system flash sda resize [standard | extended] [force]

Syntax Description

system	System management command
flash	Resize flash device
sda	Apply changes to sda
resize	Resize persistent storage to new scheme
standard	(Optional) cfg=64MB, logflash=4 8GB
extended	(Optional) cfg=1GB, logflash=39GB
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

system hap-reset

system no hap-reset

Syntax Description

system	System management commands
no	Negate a command or set its defaults
hap-reset	enables resetting of local or remote sup on ha failures

Command Mode

- /exec

system hap-reset

system hap-reset

Syntax Description

system	System management commands
hap-reset	enables resetting of local or remote sup on ha failures

Command Mode

- /exec

system health check bootflash

system health check bootflash [fix-errors]

Syntax Description

system	System management commands
health	system health exec commands
check	run consistency check on compact flash
bootflash	check internal bootflash
fix-errors	(Optional) fix bootflash errors

Command Mode

- /exec

system heartbeat

system heartbeat

Syntax Description

system	System management commands
heartbeat	enables heartbeat

Command Mode

- /exec

system heartbeat

system no heartbeat

Syntax Description

system	System management commands
no	Negate a command or set its defaults
heartbeat	enables heartbeat

Command Mode

- /exec

system high-multicast-priority

[no] system high-multicast-priority

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
high-multicast-priority	high priority to multicast

Command Mode

- /exec/configure

system inband cpu-mac log threshold rx tx

```
{ { system inband cpu-mac log threshold { rx <rx_pps> tx <tx_pps> [ throttle <interval> ] } } | { no system inband cpu-mac log threshold } }
```

Syntax Description

no	Negate a command or set its defaults
system	system information
inband	Inband related information
cpu-mac	CPU-MACs related information
log	Log related information
threshold	Inband threshold
rx	Inband rx threshold
<i>rx_pps</i>	Inband rx pps threshold
tx	Inband tx threshold
<i>tx_pps</i>	Inband tx pps threshold
throttle	(Optional) Inband throttle
<i>interval</i>	(Optional) Inband throttle interval

Command Mode

- /exec/configure

system interface shutdown

[no] system interface shutdown [exclude fex-fabric]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
interface	Configure system interface config
shutdown	Configure interface shutdown
exclude	(Optional) exclude
fex-fabric	(Optional) fex-fabric

Command Mode

- /exec/configure

system jumbomtu

{ system jumbomtu <mtu> | no system jumbomtu [<mtu>] }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
jumbomtu	Configure system jumbomtu
<i>mtu</i>	Enter jumbomtu

Command Mode

- /exec/configure

system login block-for

[no] system login block-for

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
login	Enable secure login checking
block-for	Set quiet-mode active time period

Command Mode

- /exec/configure

system login block-for attempts within

system login block-for <i1> attempts <i2> within <i3>

Syntax Description

system	System configuration commands
login	Enable secure login checking
block-for	Set quiet-mode active time period
<i>i1</i>	Time period in seconds
attempts	Set max number of fail attempts
<i>i2</i>	Fail attempts max value
within	Watch period for fail attempts
<i>i3</i>	Time period in seconds

Command Mode

- /exec/configure

system login quiet-mode

[no] system login quiet-mode

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
login	Enable secure login checking
quiet-mode	Set quiet-mode options

Command Mode

- /exec/configure

system login quiet-mode access-class

system login quiet-mode access-class <access-list>

Syntax Description

system	System configuration commands
login	Enable secure login checking
quiet-mode	Set quiet-mode options
access-class	Set access class
<i>access-list</i>	Access-list name

Command Mode

- /exec/configure

system lpss monitor

[no] system lpss monitor

Syntax Description

no	(Optional) Negate a command or set its default
system	System management commands
lpss	Configure Light weight Persistent Storage configuration
monitor	Shared memory usage monitor

Command Mode

- /exec/configure

system memory-thresholds minor severe critical

[no] system memory-thresholds minor <minor> severe <severe> critical <crit>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
memory-thresholds	Set memory thresholds on the card
minor	enter minor threshold
<i>minor</i>	please enter minor memory threshold as % memory
severe	enter severe treshold
<i>severe</i>	please enter severe memory threshold as % memory
critical	enter critical treshold
<i>crit</i>	please enter critical memory threshold as % memory

Command Mode

- /exec/configure

system mld snooping

[no] system mld snooping

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
mld	IPv6 MLD Snooping
snooping	IPv6 MLD Snooping

Command Mode

- /exec/configure

system mode maintenance

[no] system mode maintenance [dont-generate-profile | shutdown] [non-interactive]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
dont-generate-profile	(Optional) do not generate the maintenance/normal-mode profile
shutdown	(Optional) issue shutdown instead of isolate (default)
non-interactive	(Optional) do operation non interactively in background

Command Mode

- /exec/configure

system mode maintenance always-use-custom-profile

[no] system mode maintenance always-use-custom-profile

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
always-use-custom-profile	always use custom profile when entering maintenance mode

Command Mode

- /exec/configure

system mode maintenance maint-delay

[no] system mode maintenance maint-delay <delay-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
maint-delay	delay to allow protocol reroute before releasing CLI
<i>delay-value</i>	delay value in seconds

Command Mode

- /exec/configure

system mode maintenance on-reload reset-reason

[no] system mode maintenance on-reload reset-reason <reason>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
on-reload	on reload maintenance mode configuration
reset-reason	reset reason
<i>reason</i>	

Command Mode

- /exec/configure

system mode maintenance snapshot-delay

[no] system mode maintenance snapshot-delay <delay-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
snapshot-delay	delay after which after_maintenance snapshot will be taken
<i>delay-value</i>	delay value in seconds

Command Mode

- /exec/configure

system mode maintenance timeout

[no] system mode maintenance timeout <timer-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
timeout	restart maintenance mode timer with a new value
<i>timer-value</i>	timer value in minutes

Command Mode

- /exec/configure

system modifications throttle

[no] system modifications { throttle | permit }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	Controls what NXSDK is allowed to do to the system
modifications	Actions that change the state of the system
throttle	Throttle all write API calls
permit	Permit all write API calls

Command Mode

- /exec/configure/nxsdk-profile

system module failure-action shutdown

[no] system module failure-action shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
system	system Internal Information
module	module commands
failure-action	Configure module action on failure
shutdown	action on failure - shutdown

Command Mode

- /exec/configure

system module failure-action shutdown multibit-parity

[no] system module failure-action shutdown multibit-parity

Syntax Description

no	(Optional) Negate a command or set its defaults
system	system Internal Information
module	module commands
failure-action	Configure module action on failure
shutdown	action on failure - shutdown
multibit-parity	Shutdown module if two or more bits parity error is detected

Command Mode

- /exec/configure

system mrouting

[no] system mrouting [performance-mode | disable-2nd-update | disable-l2-update]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
mrouting	Layer-3 mrouting
performance-mode	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
disable-2nd-update	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
disable-l2-update	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

system multicast-priority

{ { no system multicast-priority } | { system multicast-priority <priority-num> } }

Syntax Description

no	Negate a command or set its defaults
system	System Management Commands
multicast-priority	Set priority to multicast
<i>priority-num</i>	Priority number

Command Mode

- /exec/configure

system multicast dcs-check

[no] system multicast dcs-check

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
multicast	IPv4 Multicast
dcs-check	IPv4 Directly Connected Source Check Enable

Command Mode

- /exec/configure

system multicast pvlan route-replication

[no] system multicast pvlan route-replication

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
multicast	IPv4 Multicast
pvlan	PVLAN
route-replication	Route replication

Command Mode

- /exec/configure

system nve ecmp-reuse

system nve ecmp-reuse | no system nve ecmp-reuse

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
ecmp-reuse	Enable ECMP reuse to scale

Command Mode

- /exec/configure

system nve infra-vlans

system nve infra-vlans <vlan-range> [force] | no system nve infra-vlans <vlan-range>

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
infra-vlans	Configure Vxlan SVI Uplinks(requires system reload)
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19 (The range of vlans configured must not exceed 512)
force	(Optional) Force-set infra-vlans

Command Mode

- /exec/configure

system nve ingress-replication round-robin

[no] system nve ingress-replication round-robin

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
nve	VXLAN interface
ingress-replication	VXLAN Ingress replication
round-robin	Round-Robin hashing of underlay-paths for VXLAN ingress-replication peers

Command Mode

- /exec/configure

system nve ipmc global index-size

system nve ipmc global index-size { <size> | default } | no system nve ipmc global index-size [<size>]

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
ipmc	Configure ipmc index size
global	Configure global ipmc size
index-size	Configure index size
<i>size</i>	ipmc allowed size
default	Default size is 3000

Command Mode

- /exec/configure

system nve nat peer-ip

system nve nat peer-ip <peer-ip> | no system nve nat peer-ip <peer-ip>

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
nat	Vrf aware nat related config
peer-ip	VXLAN peer IP
<i>peer-ip</i>	Configure the VXLAN peer IP

Command Mode

- /exec/configure

system pic-core

[no] system pic-core

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
pic-core	Manage pic enable/disable

Command Mode

- /exec/configure

system poap

system poap

Syntax Description

system	System management commands
poap	Re-enable POAP on every write erase+reload

Command Mode

- /exec

system poap

system no poap

Syntax Description

system	System management commands
no	Negate a command or set its defaults
poap	This will set a boot flag, that will allow disabling POAP permanently even when the system starts with no configuration

Command Mode

- /exec

system private-vlan fex trunk

[no] system private-vlan fex trunk

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
private-vlan	Configure Private VLANs
fex	Configure PVLANS on FEX Host Interface
trunk	Configure PVLANS on FEX Trunk Ports

Command Mode

- /exec/configure

system pss shrink

system pss shrink

Syntax Description

system	System management commands
pss	PSS commands
shrink	shrink pss files

Command Mode

- /exec

system qos

system qos

Syntax Description

system	System management commands
qos	QoS parameters

Command Mode

- /exec/configure

system routing l3-scale

[no] system routing l3-scale

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
l3-scale	enable l3 route scale

Command Mode

- /exec/configure

system routing unknown-unicast-flood

[no] system routing unknown-unicast-flood

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
unknown-unicast-flood	Hardware flood post-routed traffic on SVI if dest-mac->layer2-port binding unknown

Command Mode

- /exec/configure

system routing vrf-aware-nat

[no] system routing vrf-aware-nat

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
vrf-aware-nat	Enable vrf-aware-nat mode

Command Mode

- /exec/configure

system security compliance common-criteria

[no] system security compliance common-criteria

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
compliance	Compliant with the mode configured
common-criteria	Enable/Disable common-criteria mode

Command Mode

- /exec/configure

system security consent-token shell-access

[no] system security consent-token shell-access [<timeout>] [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
consent-token	Configure Consent Token
shell-access	Config Consent Token for shell-access
<i>timeout</i>	(Optional) Timeout value in minutes for shell-session
force	(Optional) Enable consent-token mode forcefully

Command Mode

- /exec/configure

system security sudo prompt-password

[no] system security sudo prompt-password

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
sudo	sudoers related commands
prompt-password	Prompt for password when sudo is used

Command Mode

- /exec/configure

system server session cmd-timeout

[no] system server session cmd-timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management settings
server	Settings for services
session	Session parameters for connections
cmd-timeout	Maximum allowed time for commands to run
<i>i0</i>	Length of time, in seconds

Command Mode

- /exec/configure

system shutdown fan-direction mismatch

system shutdown fan-direction mismatch | no system shutdown fan-direction mismatch

Syntax Description

no	Negate a command or set its defaults
system	System management commands
shutdown	Shutdown management commands
fan-direction	Fan-direction check
mismatch	Mismatch in check

Command Mode

- /exec/configure

system simulate fan-presence

system simulate fan-presence | no system simulate fan-presence

Syntax Description

no	Negate a command or set its defaults
system	System management commands
simulate	Simulate Fan Presence
fan-presence	Simulate Fan Presence

Command Mode

- /exec/configure

system software allow third-party

[no] system software allow third-party

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
software	Configure RPM/Package
allow	Command to let do
third-party	Allow installation of signed/unsigned third party applications

Command Mode

- /exec/configure

system standby manual-boot

system standby manual-boot

Syntax Description

system	System management commands
standby	System standby management commands
manual-boot	No action taken to force-download standby sup

Command Mode

- /exec

system standby manual-boot

system no standby manual-boot

Syntax Description

system	System management commands
no	Negate a command or set its defaults
standby	System standby manual boot
manual-boot	No action taken to force-download standby sup

Command Mode

- /exec

system startup-config init

system startup-config init

Syntax Description

system	System management commands
startup-config	System startup-config commands
init	Initialize the startup-configuration

Command Mode

- /exec

system startup-config unlock

system startup-config unlock <i0>

Syntax Description

system	System management commands
startup-config	System startup-config commands
unlock	Unlock startup-config
<i>i0</i>	Startup-config lock id

Command Mode

- /exec

system statistics

system statistics

Syntax Description

system	System management commands
statistics	enables sysmgr statistics

Command Mode

- /exec

system statistics

system no statistics

Syntax Description

system	System management commands
no	Negate a command or set its defaults
statistics	disable the sysmgr statistics

Command Mode

- /exec

system storm-control multi-threshold

{ system storm-control multi-threshold | no system storm-control multi-threshold }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
storm-control	Configure system storm-control
multi-threshold	Allow multiple storm-control thresholds

Command Mode

- /exec/configure

system storm-control priority-policy drop-l3

[no] system storm-control priority-policy drop-l3

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
storm-control	Configure system storm-control
priority-policy	priority policy relative to CoPP
drop-l3	Drop Layer3 control packets

Command Mode

- /exec/configure

system switch-mode

system switch-mode { <mode> }

Syntax Description

system	System management commands
switch-mode	change switch operational mode
<i>mode</i>	switch mode

Command Mode

- /exec/configure

system switchover

system switchover

Syntax Description

system	System management commands
switchover	Switch over to the standby supervisor

Command Mode

- /exec

system tech-support blocked-commands

system tech-support blocked-commands <s0>

Syntax Description

system	Show system information
tech-support	Exec command for tech-supports
blocked-commands	List of show commands for exclusion from show tech-support commands
s0	Name of the file in bootflash

Command Mode

- /exec

system timeout

```
{ system timeout { congestion-drop { <i0> mode <port_mode> | default mode <port_mode> } | no-credit-drop
{ <i1> mode1 <port_mode1> | default mode1 <port_mode1> } } | no system timeout no-credit-drop mode1
<port_mode1> }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
timeout	Configure system timeout values
congestion-drop	Configure system timeout values for congestion drop
<i>i0</i>	Configure number of milliseconds
default	Default timeout value for congestion-drop
mode	Enter the port mode
<i>port_mode</i>	Port mode
no-credit-drop	Configure system timeout values for no credit drop
<i>i1</i>	Configure number of milliseconds
default	Default timeout value for no-credit-drop
mode1	Enter the port mode
<i>port_mode1</i>	Port mode

Command Mode

- /exec/configure

system trace

{ system trace <i0> | no system trace [<i0>] }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
trace	To configure system trace level
<i>i0</i>	Select the mask

Command Mode

- /exec/configure

system urpf disable

[no] system urpf disable

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
urpf	Manage urpf enable/disable
disable	disable

Command Mode

- /exec/configure

system vlan long-name

[no] system vlan long-name

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
vlan	Vlan commands
long-name	Configure 128 character VLAN names

Command Mode

- /exec/configure

system vlan nve-overlay id

[no] system vlan nve-overlay id [<vrangle>] | system vlan nve-overlay id <vrangle>

Syntax Description

no	Negate a command or set its defaults
system	System management commands
vlan	Vlan commands
nve-overlay	nve overlay vlan
id	VLAN ID
<i>vrangle</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

system vlan reserve

[no] system vlan <start-val> reserve

Syntax Description

no	(Optional) Negate a command or set its defaults
system	system wide configuration
vlan	Vlan commands
<i>start-val</i>	minimum VLANs value for allocation of 128
reserve	reservation

Command Mode

- /exec/configure

system vrf-member-change retain-l3-config

[no] system vrf-member-change retain-l3-config

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
vrf-member-change	vrf member change
retain-l3-config	retain L3 configuration

Command Mode

- /exec/configure

system watchdog

system watchdog

Syntax Description

system	System management commands
watchdog	enables watchdog

Command Mode

- /exec

system watchdog

system no watchdog

Syntax Description

system	System management commands
no	Negate a command or set its defaults
watchdog	enables watchdog

Command Mode

- /exec

system watchdog kgdb

system no watchdog kgdb

Syntax Description

system	System management commands
no	Negate a command or set its defaults
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

Command Mode

- /exec

system watchdog kgdb

system watchdog kgdb

Syntax Description

system	System management commands
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

Command Mode

- /exec



T Commands

- [table-map](#), on page 4954
- [table-map](#), on page 4955
- [table-map](#), on page 4956
- [table-map](#), on page 4957
- [table-map](#), on page 4958
- [table-map](#), on page 4959
- [table-map](#), on page 4960
- [table-map](#), on page 4961
- [table-map](#), on page 4962
- [tac-pac](#), on page 4963
- [tac-pac](#), on page 4964
- [tac-pac](#), on page 4965
- [tacacs-server deadtime](#), on page 4966
- [tacacs-server directed-request](#), on page 4967
- [tacacs-server host key 0 6 7](#), on page 4968
- [tacacs-server host test](#), on page 4969
- [tacacs-server key 0 6 7](#), on page 4970
- [tacacs-server test](#), on page 4971
- [tacacs-server timeout](#), on page 4972
- [tag](#), on page 4973
- [tag happens in](#), on page 4974
- [tahoe-python module](#), on page 4975
- [tahoe-python module quoted](#), on page 4976
- [tahusd-report](#), on page 4977
- [tahusd-report](#), on page 4978
- [tahusd-report](#), on page 4979
- [tahusd-report](#), on page 4980
- [tahusd-report](#), on page 4981
- [tahusd-report](#), on page 4982
- [tahusd-report](#), on page 4983
- [tahusd-report](#), on page 4984
- [tahusd-report](#), on page 4985
- [tahusd-reset](#), on page 4986

- [tahusd-reset, on page 4987](#)
- [tahusd-reset, on page 4988](#)
- [tahusd-reset, on page 4989](#)
- [tahusd-reset, on page 4990](#)
- [tahusd-reset, on page 4991](#)
- [tahusd-reset, on page 4992](#)
- [tahusd-reset, on page 4993](#)
- [tahusd-reset, on page 4994](#)
- [tahusd-set drpvec, on page 4995](#)
- [tahusd-set drpvec, on page 5001](#)
- [tahusd-set ieth, on page 5007](#)
- [tahusd-set ieth, on page 5010](#)
- [tahusd-set inner arp, on page 5013](#)
- [tahusd-set inner ipv4, on page 5015](#)
- [tahusd-set inner ipv6 src_ip, on page 5017](#)
- [tahusd-set inner l2, on page 5018](#)
- [tahusd-set inner l4, on page 5020](#)
- [tahusd-set inner mpls, on page 5023](#)
- [tahusd-set outer arp, on page 5025](#)
- [tahusd-set outer arp, on page 5027](#)
- [tahusd-set outer fcoe, on page 5029](#)
- [tahusd-set outer ipv4, on page 5031](#)
- [tahusd-set outer ipv4, on page 5033](#)
- [tahusd-set outer ipv6 src_ip, on page 5035](#)
- [tahusd-set outer ipv6 src_ip, on page 5036](#)
- [tahusd-set outer l2, on page 5037](#)
- [tahusd-set outer l2, on page 5039](#)
- [tahusd-set outer l4, on page 5041](#)
- [tahusd-set outer l4, on page 5044](#)
- [tahusd-set outer mpls, on page 5047](#)
- [tahusd-set outer mpls, on page 5049](#)
- [tahusd-set pktrw, on page 5051](#)
- [tahusd-set pktrw, on page 5058](#)
- [tahusd-set sb_info, on page 5065](#)
- [tahusd-set sb_info, on page 5068](#)
- [tahusd-set sideband, on page 5071](#)
- [tahusd-set sideband, on page 5073](#)
- [tahusd-set sideband, on page 5075](#)
- [tahusd-set stats, on page 5077](#)
- [tahusd-start, on page 5080](#)
- [tahusd-start, on page 5081](#)
- [tahusd-start, on page 5082](#)
- [tahusd-start, on page 5083](#)
- [tahusd-start, on page 5084](#)
- [tahusd-start, on page 5085](#)
- [tahusd-start, on page 5086](#)

- [tahusd-start](#), on page 5087
- [tahusd-start](#), on page 5088
- [tahusd-vxlan-parse](#), on page 5089
- [tahusd-vxlan-parse](#), on page 5090
- [tahusd-vxlan-parse](#), on page 5091
- [tahusd-vxlan-parse](#), on page 5092
- [tail](#), on page 5093
- [tap-aggregation flow-deduplication](#), on page 5094
- [tar](#), on page 5095
- [tclsh](#), on page 5096
- [tclsh](#), on page 5097
- [tcp-connect](#), on page 5098
- [telemetry](#), on page 5099
- [telemetry trace redirect telemetry trace](#), on page 5100
- [telnet](#), on page 5101
- [telnet6](#), on page 5102
- [telnet login-attempts](#), on page 5103
- [template](#), on page 5104
- [template data timeout](#), on page 5105
- [template peer-policy](#), on page 5106
- [template peer-session](#), on page 5107
- [template peer](#), on page 5108
- [terminal alias](#), on page 5109
- [terminal ask-on-term](#), on page 5110
- [terminal color](#), on page 5111
- [terminal context management](#), on page 5112
- [terminal deep-help](#), on page 5113
- [terminal dont-ask](#), on page 5114
- [terminal edit-mode vi](#), on page 5115
- [terminal event-manager bypass](#), on page 5116
- [terminal history no-exec-in-config](#), on page 5117
- [terminal history no-exec-in-config](#), on page 5118
- [terminal history no-exec-in-config](#), on page 5119
- [terminal home](#), on page 5120
- [terminal length](#), on page 5121
- [terminal length](#), on page 5122
- [terminal lock](#), on page 5123
- [terminal log-all](#), on page 5124
- [terminal log-format compact](#), on page 5125
- [terminal no](#), on page 5126
- [terminal output xml](#), on page 5127
- [terminal output xml](#), on page 5128
- [terminal output xml](#), on page 5129
- [terminal password](#), on page 5130
- [terminal prompt](#), on page 5131
- [terminal redirection-mode](#), on page 5132

- terminal session-timeout, on page 5133
- terminal sticky-mode, on page 5134
- terminal terminal-type, on page 5135
- terminal time, on page 5136
- terminal tree-update, on page 5137
- terminal unlock, on page 5138
- terminal verify-only, on page 5139
- terminal width, on page 5140
- terminal width, on page 5141
- threshold-percent, on page 5142
- threshold, on page 5143
- threshold, on page 5144
- threshold high low, on page 5145
- time-range, on page 5146
- time-stamp hpt, on page 5147
- time-stamp hpt device-id, on page 5148
- time-stamp hpt utc-offset, on page 5149
- time, on page 5150
- timeout, on page 5151
- timeout, on page 5152
- timeout, on page 5153
- timer, on page 5154
- timer, on page 5155
- timer inactivity, on page 5156
- timers, on page 5157
- timers, on page 5158
- timers active-time, on page 5159
- timers advertise, on page 5160
- timers basic, on page 5161
- timers bestpath-defer maximum, on page 5162
- timers bestpath-limit, on page 5163
- timers bgp, on page 5164
- timers lsa-arrival, on page 5165
- timers lsa-arrival, on page 5166
- timers lsa-group-pacing, on page 5167
- timers lsa-group-pacing, on page 5168
- timers nsf converge, on page 5169
- timers nsf route-hold, on page 5170
- timers nsf signal, on page 5171
- timers prefix-peer-timeout, on page 5172
- timers prefix-peer-wait, on page 5173
- timers srgb cleanup, on page 5174
- timers srgb retry, on page 5175
- timers throttle lsa, on page 5176
- timers throttle lsa, on page 5177
- timers throttle spf, on page 5178

- [timers throttle spf, on page 5179](#)
- [timestamp timestamp, on page 5180](#)
- [topology, on page 5181](#)
- [tos, on page 5182](#)
- [tr, on page 5183](#)
- [traceroute, on page 5184](#)
- [traceroute6, on page 5185](#)
- [traceroute mpls, on page 5186](#)
- [traceroute nve, on page 5189](#)
- [traceroute sr-mpls, on page 5191](#)
- [track-adjacency-next-hop, on page 5194](#)
- [track, on page 5195](#)
- [track, on page 5196](#)
- [track, on page 5197](#)
- [track, on page 5198](#)
- [track, on page 5199](#)
- [track, on page 5200](#)
- [track, on page 5201](#)
- [track, on page 5202](#)
- [track, on page 5203](#)
- [track, on page 5204](#)
- [track data, on page 5205](#)
- [track interface, on page 5206](#)
- [track interface priority, on page 5207](#)
- [track running-state track startup-state, on page 5208](#)
- [tracking enable, on page 5209](#)
- [traffic-analytics, on page 5210](#)
- [traffic-class, on page 5211](#)
- [traffic-engineering, on page 5212](#)
- [transceiver performance-monitoring, on page 5213](#)
- [transceiver performance-monitoring fec, on page 5214](#)
- [transceiver performance-monitoring optics, on page 5217](#)
- [transmit-delay, on page 5221](#)
- [transmit-delay, on page 5222](#)
- [transmit-delay, on page 5223](#)
- [transport connection-mode passive, on page 5224](#)
- [transport email, on page 5225](#)
- [transport email mail-server, on page 5226](#)
- [transport http proxy enable, on page 5227](#)
- [transport http proxy server, on page 5228](#)
- [transport http use-vrf, on page 5229](#)
- [transport tcp port, on page 5230](#)
- [transport tls authentication-type trustpoint, on page 5231](#)
- [transport tls authentication-type trustpoint ignore-certificate, on page 5232](#)
- [transport udp, on page 5233](#)
- [transport udp, on page 5234](#)

- [transport udp](#), on page 5235
- [transport udp](#), on page 5236
- [transport udp](#), on page 5237
- [transport udp](#), on page 5238
- [transport udp source-port](#), on page 5239
- [trigger init ingress in-select 3 out-select 0](#), on page 5240
- [trigger init ingress in-select 3 out-select 03](#), on page 5241
- [trigger init ingress in-select 3 out-select 0 reverse](#), on page 5242
- [trigger init ingress in-select 3 out-select 1](#), on page 5243
- [trigger init ingress in-select 3 out-select 2](#), on page 5244
- [trigger init ingress in-select 3 out-select 4](#), on page 5245
- [trigger init ingress in-select 3 out-select 5](#), on page 5246
- [trigger init ingress in-select 3 out-select 5 reverse](#), on page 5247
- [trigger init ingress in-select 4 out-select 0](#), on page 5248
- [trigger init ingress in-select 4 out-select 04](#), on page 5249
- [trigger init ingress in-select 4 out-select 0 reverse](#), on page 5250
- [trigger init ingress in-select 4 out-select 1](#), on page 5251
- [trigger init ingress in-select 4 out-select 2](#), on page 5252
- [trigger init ingress in-select 4 out-select 3](#), on page 5253
- [trigger init ingress in-select 4 out-select 5](#), on page 5254
- [trigger init ingress in-select 4 out-select 5 reverse](#), on page 5255
- [trigger init ingress in-select 5 out-select 0](#), on page 5256
- [trigger init ingress in-select 5 out-select 05](#), on page 5257
- [trigger init ingress in-select 5 out-select 05 reverse](#), on page 5258
- [trigger init ingress in-select 5 out-select 0 reverse](#), on page 5259
- [trigger init ingress in-select 5 out-select 1](#), on page 5260
- [trigger init ingress in-select 5 out-select 2](#), on page 5261
- [trigger init ingress in-select 5 out-select 3](#), on page 5262
- [trigger init ingress in-select 5 out-select 4](#), on page 5263
- [trigger init ingress in-select 6 out-select 0](#), on page 5264
- [trigger init ingress in-select 6 out-select 0 reverse](#), on page 5265
- [trigger init ingress in-select 6 out-select 1](#), on page 5266
- [trigger init ingress in-select 6 out-select 2](#), on page 5267
- [trigger init ingress in-select 6 out-select 3](#), on page 5268
- [trigger init ingress in-select 6 out-select 4](#), on page 5269
- [trigger init ingress in-select 6 out-select 5](#), on page 5270
- [trigger init ingress in-select 6 out-select 5 reverse](#), on page 5271
- [trigger init ingress in-select 7 out-select 0](#), on page 5272
- [trigger init ingress in-select 7 out-select 0 reverse](#), on page 5273
- [trigger init ingress in-select 7 out-select 1](#), on page 5274
- [trigger init ingress in-select 7 out-select 2](#), on page 5275
- [trigger init ingress in-select 7 out-select 3](#), on page 5276
- [trigger init ingress in-select 7 out-select 4](#), on page 5277
- [trigger init ingress in-select 7 out-select 5](#), on page 5278
- [trigger init ingress in-select 7 out-select 5 reverse](#), on page 5279
- [trigger reset](#), on page 5280

- [trigger route download vrf ipv4](#), on page 5281
- [trigger tahusd-init](#), on page 5282
- [trigger tahusd-init in-select 10](#), on page 5283
- [trigger tahusd-init in-select 10 out-select 0](#), on page 5284
- [trigger tahusd-init in-select 10 out-select 1](#), on page 5285
- [trigger tahusd-init in-select 10 out-select 2](#), on page 5286
- [trigger tahusd-init in-select 19](#), on page 5287
- [trigger tahusd-init in-select 19 out-select 0](#), on page 5288
- [trigger tahusd-init in-select 19 out-select 1](#), on page 5289
- [trigger tahusd-init in-select 19 out-select 2](#), on page 5290
- [trigger tahusd-init in-select 6](#), on page 5291
- [trigger tahusd-init in-select 6 out-select 0](#), on page 5292
- [trigger tahusd-init in-select 6 out-select 1](#), on page 5293
- [trigger tahusd-init in-select 6 out-select 2](#), on page 5294
- [trigger tahusd-init in-select 7](#), on page 5295
- [trigger tahusd-init in-select 7 out-select 0](#), on page 5296
- [trigger tahusd-init in-select 7 out-select 1](#), on page 5297
- [trigger tahusd-init in-select 7 out-select 2](#), on page 5298
- [trigger tahusd-init in-select 8](#), on page 5299
- [trigger tahusd-init in-select 8 out-select 0](#), on page 5300
- [trigger tahusd-init in-select 8 out-select 1](#), on page 5301
- [trigger tahusd-init in-select 8 out-select 2](#), on page 5302
- [trigger tahusd-init in-select 9](#), on page 5303
- [trigger tahusd-init in-select 9 out-select 0](#), on page 5304
- [trigger tahusd-init in-select 9 out-select 1](#), on page 5305
- [trigger tahusd-init in-select 9 out-select 2](#), on page 5306
- [trigger tahusd-init lu-a2d 0](#), on page 5307
- [trigger tahusd-init lu-a2d 0 in-select 10 out-select 0](#), on page 5308
- [trigger tahusd-init lu-a2d 0 in-select 10 out-select 1](#), on page 5309
- [trigger tahusd-init lu-a2d 0 in-select 10 out-select 2](#), on page 5310
- [trigger tahusd-init lu-a2d 0 in-select 19 out-select 0](#), on page 5311
- [trigger tahusd-init lu-a2d 0 in-select 19 out-select 1](#), on page 5312
- [trigger tahusd-init lu-a2d 0 in-select 19 out-select 2](#), on page 5313
- [trigger tahusd-init lu-a2d 0 in-select 6 out-select 2](#), on page 5314
- [trigger tahusd-init lu-a2d 0 in-select 6 out-select 0](#), on page 5315
- [trigger tahusd-init lu-a2d 0 in-select 6 out-select 1](#), on page 5316
- [trigger tahusd-init lu-a2d 0 in-select 7 out-select 1](#), on page 5317
- [trigger tahusd-init lu-a2d 0 in-select 7 out-select 0](#), on page 5318
- [trigger tahusd-init lu-a2d 0 in-select 7 out-select 2](#), on page 5319
- [trigger tahusd-init lu-a2d 0 in-select 8 out-select 2](#), on page 5320
- [trigger tahusd-init lu-a2d 0 in-select 8 out-select 0](#), on page 5321
- [trigger tahusd-init lu-a2d 0 in-select 8 out-select 1](#), on page 5322
- [trigger tahusd-init lu-a2d 0 in-select 9 out-select 0](#), on page 5323
- [trigger tahusd-init lu-a2d 0 in-select 9 out-select 1](#), on page 5324
- [trigger tahusd-init lu-a2d 0 in-select 9 out-select 2](#), on page 5325
- [trigger tahusd-init lu-a2d 0 out-select 0](#), on page 5326

- [trigger tahusd-init lu-a2d 0 out-select 1](#), on page 5327
- [trigger tahusd-init lu-a2d 0 out-select 2](#), on page 5328
- [trigger tahusd-init lu-a2d 1](#), on page 5329
- [trigger tahusd-init lu-a2d 1 in-select 10](#), on page 5330
- [trigger tahusd-init lu-a2d 1 in-select 10 out-select 0](#), on page 5331
- [trigger tahusd-init lu-a2d 1 in-select 10 out-select 1](#), on page 5332
- [trigger tahusd-init lu-a2d 1 in-select 10 out-select 2](#), on page 5333
- [trigger tahusd-init lu-a2d 1 in-select 19](#), on page 5334
- [trigger tahusd-init lu-a2d 1 in-select 19 out-select 1](#), on page 5335
- [trigger tahusd-init lu-a2d 1 in-select 19 out-select 0](#), on page 5336
- [trigger tahusd-init lu-a2d 1 in-select 19 out-select 2](#), on page 5337
- [trigger tahusd-init lu-a2d 1 in-select 6](#), on page 5338
- [trigger tahusd-init lu-a2d 1 in-select 6 out-select 2](#), on page 5339
- [trigger tahusd-init lu-a2d 1 in-select 6 out-select 0](#), on page 5340
- [trigger tahusd-init lu-a2d 1 in-select 6 out-select 1](#), on page 5341
- [trigger tahusd-init lu-a2d 1 in-select 7](#), on page 5342
- [trigger tahusd-init lu-a2d 1 in-select 7 out-select 0](#), on page 5343
- [trigger tahusd-init lu-a2d 1 in-select 7 out-select 1](#), on page 5344
- [trigger tahusd-init lu-a2d 1 in-select 7 out-select 2](#), on page 5345
- [trigger tahusd-init lu-a2d 1 in-select 8](#), on page 5346
- [trigger tahusd-init lu-a2d 1 in-select 8 out-select 0](#), on page 5347
- [trigger tahusd-init lu-a2d 1 in-select 8 out-select 1](#), on page 5348
- [trigger tahusd-init lu-a2d 1 in-select 8 out-select 2](#), on page 5349
- [trigger tahusd-init lu-a2d 1 in-select 9](#), on page 5350
- [trigger tahusd-init lu-a2d 1 in-select 9 out-select 1](#), on page 5351
- [trigger tahusd-init lu-a2d 1 in-select 9 out-select 0](#), on page 5352
- [trigger tahusd-init lu-a2d 1 in-select 9 out-select 2](#), on page 5353
- [trigger tahusd-init out-select 0](#), on page 5354
- [trigger tahusd-init out-select 1](#), on page 5355
- [trigger tahusd-init out-select 2](#), on page 5356
- [trusted-port](#), on page 5357
- [trusted-port](#), on page 5358
- [trusted-port](#), on page 5359
- [ttag-marker-interval](#), on page 5360
- [ttag-marker-interval](#), on page 5361
- [ttag-marker enable](#), on page 5362
- [ttag-marker enable](#), on page 5363
- [ttag-strip](#), on page 5364
- [ttag](#), on page 5365
- [ttag](#), on page 5366
- [ttl-security hops](#), on page 5367
- [ttl](#), on page 5368
- [tunnel-encryption](#), on page 5369
- [tunnel-encryption icv](#), on page 5370
- [tunnel-encryption must-secure-policy](#), on page 5371
- [tunnel-encryption peer-ip](#), on page 5372

- [tunnel-encryption pki source-interface](#), on page 5373
- [tunnel-encryption pki sudi](#), on page 5374
- [tunnel-encryption policy](#), on page 5375
- [tunnel-encryption sak-rekey](#), on page 5376
- [tunnel-encryption source-interface](#), on page 5377
- [tunnel-profile](#), on page 5378
- [tunnel destination](#), on page 5379
- [tunnel mode](#), on page 5380
- [tunnel path-mtu-discovery](#), on page 5381
- [tunnel path-mtu-discovery age-timer](#), on page 5382
- [tunnel path-mtu-discovery min-mtu](#), on page 5383
- [tunnel source](#), on page 5384
- [tunnel ttl](#), on page 5385
- [tunnel use-vrf](#), on page 5386
- [type](#), on page 5387
- [type IGP](#), on page 5388
- [type IGP](#), on page 5389
- [type layer4-7](#), on page 5390
- [type link](#), on page 5391
- [type link](#), on page 5392

table-map

[no] table-map <rmap-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Apply table-map to filter routes downloaded into L2RIB
<i>rmap-name</i>	Route-map name
filter	(Optional) Selective route download

Command Mode

- /exec/configure/evpn/evi

table-map

[no] table-map <table-map-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Configure a table map
<i>table-map-name</i>	Table map name

Command Mode

- /exec/configure

table-map

table-map <default-tmap-enum-name>

Syntax Description

table-map	Configure a table map
<i>default-tmap-enum-name</i>	

Command Mode

- /exec/configure

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Table-map policy used to filter routes and tune attributes before downloading to RIB
filter	(Optional) Filter the routes based on policy results
<i>policy-name</i>	A 'routing-rules' route-map name

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv4

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Table-map policy used to filter routes and tune attributes before downloading to RIB
filter	(Optional) Filter the routes based on policy results
<i>policy-name</i>	A 'routing-rules' route-map name

Command Mode

- /exec/configure/router-isis/router-isis-af-ipv6

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Policy for filtering/modifying OSPFV3 routes before sending them to RIB
<i>policy-name</i>	Route-map name
filter	(Optional) To block the OSPFV3 routes from being sent to RIB

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

table-map

[no] table-map <map> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Configure Table Map information
<i>map</i>	Route-map name
filter	(Optional) Filter routes which are rejected by route-map

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

table-map

[no] table-map <policy-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Policy for filtering/modifying OSPF routes before sending them to RIB
<i>policy-name</i>	Route-map name
filter	(Optional) To block the OSPF routes from being sent to RIB

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

table-map

[no] table-map <rmap-name> [filter]

Syntax Description

no	(Optional) Negate a command or set its defaults
table-map	Apply table-map to filter routes downloaded into URIB
<i>rmap-name</i>	Route-map name
filter	(Optional) Selective route download

Command Mode

- /exec/configure/router-bgp/router-bgp-af

tac-pac

tac-pac [<uri0>]

Syntax Description

tac-pac	save tac info in a compressed .gz file at specific location
<i>uri0</i>	(Optional) Select destination filesystem

Command Mode

- /exec

tac-pac

```
tac-pac [ <uri0> [ vrf <vrf-known-name> ] ]
```

Syntax Description

tac-pac	save tac info in a compressed .gz file at specific location
<i>uri0</i>	(Optional) Select destination filesystem
vrf	(Optional) Display per-VRF information
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

tac-pac

```
tac-pac [ snapshot { logs } ] [ <uri> [ vrf <vrf-known-name> ] ]
```

Syntax Description

<code>tac-pac</code>	Save tac info in a compressed .gz file at specific location
<code>snapshot</code>	(Optional) Collect logs snapshot and bundle into compressed tar.gz
<code>logs</code>	(Optional) Collect logs snapshot
<code>uri0</code>	(Optional) Select destination filesystem
<code>vrf</code>	(Optional) Display per-VRF information
<code>vrf-known-name</code>	(Optional) Known VRF name

Command Mode

- /exec

tacacs-server deadtime

[no] tacacs-server deadtime <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
deadtime	duration for which non-reachable server is skipped
<i>i0</i>	Length of time, in minutes

Command Mode

- /exec/configure

tacacs-server directed-request

[no] tacacs-server directed-request

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
directed-request	enable direct authentication requests to server

Command Mode

- /exec/configure

tacacs-server host key 0 6 7

```
{ { [ no ] tacacs-server host { <hostipname> } { { key { 0 <s0> | 6 <s6> | 7 <s1> | <s2> } [ port <i1> ] [
timeout <i2> ] [ single-connection ] } | { [ port1 <i3> ] [ timeout1 <i4> ] [ single-connection ] } | { [
single-connection ] } } } | { no tacacs-server host <hostipname> key } }
```

Syntax Description

<i>key</i>	0
no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
host	TACACS+ server's DNS name or its IP address
<i>hostipname</i>	IPV4/IPV6 address or DNS name
key	TACACS+ shared secret
0	TACACS+ shared secret(clear text)
<i>s0</i>	TACACS+ shared secret(clear text)
port	(Optional) TACACS+ server port
<i>i1</i>	(Optional) TACACS+ server port
timeout	(Optional) TACACS+ server timeout period in seconds
<i>i2</i>	(Optional) TACACS+ server timeout period in seconds
single-connection	(Optional) Use single connection for this Tacacs+ server
6	TACACS+ shared secret(type-6 encrypted)
<i>s6</i>	TACACS+ shared secret(encrypted)
7	TACACS+ shared secret(encrypted)
<i>s1</i>	TACACS+ shared secret(encrypted)
port1	(Optional) TACACS+ server port
<i>i3</i>	(Optional) TACACS+ server port
timeout1	(Optional) TACACS+ server timeout period in seconds
<i>i4</i>	(Optional) TACACS+ server timeout period in seconds
<i>s2</i>	TACACS+ shared secret(clear text)

Command Mode

- /exec/configure

tacacs-server host test

```
[no] tacacs-server host <hostipnam> test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } } }
```

Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
host	TACACS+ server's DNS name or its IP address
<i>hostipnam</i>	IPV4/IPV6 address or DNS name
test	Parameters to send test packets
<i>s0</i>	user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) user password
0	(Optional) TACACS+ shared secret(clear text)
<i>s2</i>	(Optional) TACACS+ shared secret(clear text)
7	(Optional) TACACS+ shared secret(encrypted)
<i>s7</i>	(Optional) TACACS+ shared secret(encrypted)
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

tacacs-server key 0 6 7

```
{ { [ no ] tacacs-server key { 0 <s0> [ timeout <i0> ] | 6 <s6> [ timeout6 <i6> ] | 7 <s1> [ timeout1 <i1> ] | <s2> [ timeout2 <i2> ] } } } | { no tacacs-server key } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
key	Global TACACS+ server shared secret
0	default TACACS+ shared secret(clear text)
<i>s0</i>	default TACACS+ shared secret(clear text)
timeout	(Optional) Global TACACS+ server timeout period in seconds
<i>i0</i>	(Optional) Global TACACS+ server timeout period in seconds
6	default TACACS+ shared secret(type-6 encrypted)
<i>s6</i>	default TACACS+ shared secret(type-6 encrypted)
timeout6	(Optional) Global TACACS+ server timeout period in seconds
<i>i6</i>	(Optional) Global TACACS+ server timeout period in seconds
7	default TACACS+ shared secret(encrypted)
<i>s1</i>	default TACACS+ shared secret(encrypted)
timeout1	(Optional) Global TACACS+ server timeout period in seconds
<i>i1</i>	(Optional) Global TACACS+ server timeout period in seconds
<i>s2</i>	default TACACS+ shared secret(clear text)
timeout2	(Optional) Global TACACS+ server timeout period in seconds
<i>i2</i>	(Optional) Global TACACS+ server timeout period in seconds

Command Mode

- /exec/configure

tacacs-server test

```
[no] tacacs-server test { { username <s0> { [ password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] ] | [ idle-time <i1> ] } } | { password { <s1> | 0 <s2> | 7 <s7> } [ idle-time <i1> ] } | { idle-time <i1> } }
```

Syntax Description

<i>username</i>	<s0>
no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
test	Parameters to send test packets
<i>s0</i>	user name
password	(Optional) user password in test packets
<i>s1</i>	(Optional) user password
0	(Optional) TACACS+ shared secret(clear text)
<i>s2</i>	(Optional) TACACS+ shared secret(clear text)
7	(Optional) TACACS+ shared secret(encrypted)
<i>s7</i>	(Optional) TACACS+ shared secret(encrypted)
idle-time	(Optional) time interval for monitoring the server
<i>i1</i>	(Optional) time period in minutes

Command Mode

- /exec/configure

tacacs-server timeout

[no] tacacs-server timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
tacacs-server	Configure TACACS+ server related parameters
timeout	Global TACACS+ server timeout period in seconds
<i>i0</i>	Global TACACS+ server timeout period in seconds

Command Mode

- /exec/configure

tag

{ { no | default } tag | tag <text> }

Syntax Description

no	
default	Set a command to its defaults
tag	User defined tag
<i>text</i>	Tag string line

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

tag happens in

[no] tag <tag_id1> <op1> <tag_id2> [<op2> <tag_id3> [<op3> <tag_id4>]] happens <threshold> in <interval> | no tag

Syntax Description

no	(Optional) Negate a command or set its defaults
tag	event tag identifier
<i>tag_id1</i>	tag name
<i>op1</i>	boolean operator
<i>tag_id2</i>	tag name
<i>op2</i>	(Optional) boolean operator
<i>tag_id3</i>	(Optional) tag name
<i>op3</i>	(Optional) boolean operator
<i>tag_id4</i>	(Optional) tag name
happens	The number of occurrences before raising the event
<i>threshold</i>	Occurs value
in	Number of occurrences must occur within this time period
<i>interval</i>	Enter seconds value

Command Mode

- /exec/configure/event-manager-applet

tahoe-python module

tahoe-python module <module>

Syntax Description

tahoe-python	enter python mode for tahoe systems
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

tahoe-python module quoted

tahoe-python module <module> quoted <quoted-cmd>

Syntax Description

tahoe-python	enter python mode for tahoe systems
module	Module number of the linecard
<i>module</i>	Enter module number
quoted	enter the command with quotes Add multiple commands separated by semi-colon
<i>quoted-cmd</i>	the command(s) to run in tahoe python

Command Mode

- /exec

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/outsel2

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/inse16

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/inse17

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/inse18

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/inse19

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/inse110

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/inse119

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/outsel0

tahusd-report

tahusd-report [detail]

Syntax Description

tahusd-report	Show trigger report summary
detail	(Optional) Show detailed trigger report

Command Mode

- /exec/elamtah/outsell

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/insel10

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/insel6

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/insel7

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/insel8

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/insel9

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/insel19

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/outsel0

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/outsell

tahusd-reset

tahusd-reset

Syntax Description

tahusd-reset	Reset Trigger Filters
--------------	-----------------------

Command Mode

- /exec/elamtah/outsel2

tahusd-set drpvec

```
tahusd-set drpvec { parse_err <parse_err> | outer_ids_g0 <outer_ids_g0> | outer_ids_g1 <outer_ids_g1> |
outer_ids_g2 <outer_ids_g2> | outer_ids_g3 <outer_ids_g3> | outer_ids_g4 <outer_ids_g4> | outer_ids_g5
<outer_ids_g5> | outer_ids_g6 <outer_ids_g6> | outer_ids_g7 <outer_ids_g7> | outer_xlate_miss
<outer_xlate_miss> | infra_encap_src_tep_miss <infra_encap_src_tep_miss> | infra_encap_type_mismatch
<infra_encap_type_mismatch> | uc_tenant_mytep_route_miss <uc_tenant_mytep_route_miss> |
uc_tenant_mytep_bridge_miss <uc_tenant_mytep_bridge_miss> | arp_nd_ucast_miss <arp_nd_ucast_miss>
| mc_dvif_miss <mc_dvif_miss> | shard_override_vlan_xlate_miss <shard_override_vlan_xlate_miss> |
fcf_check_failed <fcf_check_failed> | ttl_expired <ttl_expired> | security_group_deny <security_group_deny>
| mc_iic <mc_iic> | mc_gipo_miss <mc_gipo_miss> | vif_miss <vif_miss> | missing_vntag <missing_vntag>
| vlan_xlate_miss <vlan_xlate_miss> | ip_mtu_check_failure <ip_mtu_check_failure> | uc_rpf_failure
<uc_rpf_failure> | mc_rpf_failure <mc_rpf_failure> | l3_binding_failure <l3_binding_failure> |
nsh_not_allowed <nsh_not_allowed> | src_vlan_mbr <src_vlan_mbr> | nsh_src_sw_chk_failed
<nsh_src_sw_chk_failed> | l2mp_iic_failed <l2mp_iic_failed> | l2mp_on_ce_bd <l2mp_on_ce_bd> |
l2mp_encap_from_edge <l2mp_encap_from_edge> | l2mp_noencap_from_core <l2mp_noencap_from_core>
| outer_ttl_expired <outer_ttl_expired> | incorrect_vntag_type <incorrect_vntag_type> | l2mp_ftag_comp_miss
<l2mp_ftag_comp_miss> | ipv6_uc_link_local_cross_bd <ipv6_uc_link_local_cross_bd> |
ipv6_mc_sa_local_da_global_svi <ipv6_mc_sa_local_da_global_svi> | ipv6_mc_sa_local_da_global_l3if
<ipv6_mc_sa_local_da_global_l3if> | routing_disabled <routing_disabled> | fc_lookup_miss <fc_lookup_miss>
| no_sgt_from_core <no_sgt_from_core> | ip_self_fwd_failure <ip_self_fwd_failure> | acl_drop <acl_drop>
| smac_miss <smac_miss> | secure_mac_move <secure_mac_move> | non_secure_mac <non_secure_mac>
| l2_binding_failure <l2_binding_failure> | inner_ids_g0 <inner_ids_g0> | inner_ids_g1 <inner_ids_g1> |
inner_ids_g2 <inner_ids_g2> | inner_ids_g3 <inner_ids_g3> | inner_ids_g4 <inner_ids_g4> | inner_ids_g5
<inner_ids_g5> | inner_ids_g6 <inner_ids_g6> | inner_ids_g7 <inner_ids_g7> | infra_encap_src_tep_drop
<infra_encap_src_tep_drop> | split_horizon_check <split_horizon_check> | mc_fib_miss <mc_fib_miss> |
mc_l2_miss <mc_l2_miss> | uc_df_check_failure <uc_df_check_failure> | uc_pc_cfg_table_drop
<uc_pc_cfg_table_drop> | illegal_expl_null <illegal_expl_null> | mpls_lookup_miss <mpls_lookup_miss>
| outer_cbl_check <outer_cbl_check> | null_shard_with_e_bit_set <null_shard_with_e_bit_set> | lb_drop
<lb_drop> | nat_fragment <nat_fragment> | illegal_dce_pkt <illegal_dce_pkt> | dci_vnid_xlate_miss
<dci_vnid_xlate_miss> | dci_sclass_xlate_miss <dci_sclass_xlate_miss> | dci_2nd_uc_transit
<dci_2nd_uc_transit> } +
```

Syntax Description

tahusd-set	Setup Trigger
drpvec	All drop vector fields
parse_err	Parse_Err
<i>parse_err</i>	Parse_Err
outer_ids_g0	Outer_Ids_G0
<i>outer_ids_g0</i>	Outer_Ids_G0
outer_ids_g1	Outer_Ids_G1
<i>outer_ids_g1</i>	Outer_Ids_G1
outer_ids_g2	Outer_Ids_G2

<i>outer_ids_g2</i>	Outer_Ids_G2
<i>outer_ids_g3</i>	Outer_Ids_G3
<i>outer_ids_g3</i>	Outer_Ids_G3
<i>outer_ids_g4</i>	Outer_Ids_G4
<i>outer_ids_g4</i>	Outer_Ids_G4
<i>outer_ids_g5</i>	Outer_Ids_G5
<i>outer_ids_g5</i>	Outer_Ids_G5
<i>outer_ids_g6</i>	Outer_Ids_G6
<i>outer_ids_g6</i>	Outer_Ids_G6
<i>outer_ids_g7</i>	Outer_Ids_G7
<i>outer_ids_g7</i>	Outer_Ids_G7
<i>outer_xlate_miss</i>	Outer_Xlate_Miss
<i>outer_xlate_miss</i>	Outer_Xlate_Miss
<i>infra_encap_src_tep_miss</i>	Infra_Encap_Src_Tep_Miss
<i>infra_encap_src_tep_miss</i>	Infra_Encap_Src_Tep_Miss
<i>infra_encap_type_mismatch</i>	Infra_Encap_Type_Mismatch
<i>infra_encap_type_mismatch</i>	Infra_Encap_Type_Mismatch
<i>uc_tenant_mytep_route_miss</i>	Uc_Tenant_Mytep_Route_Miss
<i>uc_tenant_mytep_route_miss</i>	Uc_Tenant_Mytep_Route_Miss
<i>uc_tenant_mytep_bridge_miss</i>	Uc_Tenant_Mytep_Bridge_Miss
<i>uc_tenant_mytep_bridge_miss</i>	Uc_Tenant_Mytep_Bridge_Miss
<i>arp_nd_ucast_miss</i>	Arp_Nd_Ucast_Miss
<i>arp_nd_ucast_miss</i>	Arp_Nd_Ucast_Miss
<i>mc_dvif_miss</i>	Mc_Dvif_Miss
<i>mc_dvif_miss</i>	Mc_Dvif_Miss
<i>shard_override_vlan_xlate_miss</i>	Shard_Override_Vlan_Xlate_Miss
<i>shard_override_vlan_xlate_miss</i>	Shard_Override_Vlan_Xlate_Miss
<i>fcf_check_failed</i>	Fcf_Check_Failed
<i>fcf_check_failed</i>	Fcf_Check_Failed

ttl_expired	Ttl_Expired
<i>ttl_expired</i>	Ttl_Expired
security_group_deny	Security_Group_Deny
<i>security_group_deny</i>	Security_Group_Deny
mc_iic	Mc_Iic
<i>mc_iic</i>	Mc_Iic
mc_gipo_miss	Mc_Gipo_Miss
<i>mc_gipo_miss</i>	Mc_Gipo_Miss
vif_miss	Vif_Miss
<i>vif_miss</i>	Vif_Miss
missing_vntag	Missing_Vntag
<i>missing_vntag</i>	Missing_Vntag
vlan_xlate_miss	Vlan_Xlate_Miss
<i>vlan_xlate_miss</i>	Vlan_Xlate_Miss
ip_mtu_check_failure	Ip_Mtu_Check_Failure
<i>ip_mtu_check_failure</i>	Ip_Mtu_Check_Failure
uc_rpf_failure	Uc_Rpf_Failure
<i>uc_rpf_failure</i>	Uc_Rpf_Failure
mc_rpf_failure	Mc_Rpf_Failure
<i>mc_rpf_failure</i>	Mc_Rpf_Failure
l3_binding_failure	L3_Binding_Failure
<i>l3_binding_failure</i>	L3_Binding_Failure
nsh_not_allowed	Nsh_Not_Allowed
<i>nsh_not_allowed</i>	Nsh_Not_Allowed
src_vlan_mbr	Src_Vlan_Mbr
<i>src_vlan_mbr</i>	Src_Vlan_Mbr
nsh_src_sw_chk_failed	Nsh_Src_Sw_Chk_Failed
<i>nsh_src_sw_chk_failed</i>	Nsh_Src_Sw_Chk_Failed
l2mp_iic_failed	L2Mp_Iic_Failed

<i>l2mp_iic_failed</i>	L2Mp_Iic_Failed
<i>l2mp_on_ce_bd</i>	L2Mp_On_Ce_Bd
<i>l2mp_on_ce_bd</i>	L2Mp_On_Ce_Bd
<i>l2mp_encap_from_edge</i>	L2Mp_Encap_From_Edge
<i>l2mp_encap_from_edge</i>	L2Mp_Encap_From_Edge
<i>l2mp_noencap_from_core</i>	L2Mp_Noencap_From_Core
<i>l2mp_noencap_from_core</i>	L2Mp_Noencap_From_Core
<i>outer_ttl_expired</i>	Outer_Ttl_Expired
<i>outer_ttl_expired</i>	Outer_Ttl_Expired
<i>incorrect_vntag_type</i>	Incorrect_Vntag_Type
<i>incorrect_vntag_type</i>	Incorrect_Vntag_Type
<i>l2mp_ftag_comp_miss</i>	L2Mp_Ftag_Comp_Miss
<i>l2mp_ftag_comp_miss</i>	L2Mp_Ftag_Comp_Miss
<i>ipv6_uc_link_local_cross_bd</i>	Ipv6_Uc_Link_Local_Cross_Bd
<i>ipv6_uc_link_local_cross_bd</i>	Ipv6_Uc_Link_Local_Cross_Bd
<i>ipv6_mc_sa_local_da_global_svi</i>	Ipv6_Mc_Sa_Local_Da_Global_Svi
<i>ipv6_mc_sa_local_da_global_svi</i>	Ipv6_Mc_Sa_Local_Da_Global_Svi
<i>ipv6_mc_sa_local_da_global_l3if</i>	Ipv6_Mc_Sa_Local_Da_Global_L3If
<i>ipv6_mc_sa_local_da_global_l3if</i>	Ipv6_Mc_Sa_Local_Da_Global_L3If
<i>routing_disabled</i>	Routing_Disabled
<i>routing_disabled</i>	Routing_Disabled
<i>fc_lookup_miss</i>	Fc_Lookup_Miss
<i>fc_lookup_miss</i>	Fc_Lookup_Miss
<i>no_sgt_from_core</i>	No_Sgt_From_Core
<i>no_sgt_from_core</i>	No_Sgt_From_Core
<i>ip_self_fwd_failure</i>	Ip_Self_Fwd_Failure
<i>ip_self_fwd_failure</i>	Ip_Self_Fwd_Failure
<i>acl_drop</i>	Acl_Drop
<i>acl_drop</i>	Acl_Drop

smac_miss	Smac_Miss
<i>smac_miss</i>	Smac_Miss
secure_mac_move	Secure_Mac_Move
<i>secure_mac_move</i>	Secure_Mac_Move
non_secure_mac	Non_Secure_Mac
<i>non_secure_mac</i>	Non_Secure_Mac
l2_binding_failure	L2_Binding_Failure
<i>l2_binding_failure</i>	L2_Binding_Failure
inner_ids_g0	Inner_Ids_G0
<i>inner_ids_g0</i>	Inner_Ids_G0
inner_ids_g1	Inner_Ids_G1
<i>inner_ids_g1</i>	Inner_Ids_G1
inner_ids_g2	Inner_Ids_G2
<i>inner_ids_g2</i>	Inner_Ids_G2
inner_ids_g3	Inner_Ids_G3
<i>inner_ids_g3</i>	Inner_Ids_G3
inner_ids_g4	Inner_Ids_G4
<i>inner_ids_g4</i>	Inner_Ids_G4
inner_ids_g5	Inner_Ids_G5
<i>inner_ids_g5</i>	Inner_Ids_G5
inner_ids_g6	Inner_Ids_G6
<i>inner_ids_g6</i>	Inner_Ids_G6
inner_ids_g7	Inner_Ids_G7
<i>inner_ids_g7</i>	Inner_Ids_G7
infra_encap_src_tep_drop	Infra_Encap_Src_Tep_Drop
<i>infra_encap_src_tep_drop</i>	Infra_Encap_Src_Tep_Drop
split_horizon_check	Split_Horizon_Check
<i>split_horizon_check</i>	Split_Horizon_Check
mc_fib_miss	Mc_Fib_Miss

<i>mc_fib_miss</i>	Mc_Fib_Miss
<i>mc_l2_miss</i>	Mc_L2_Miss
<i>mc_l2_miss</i>	Mc_L2_Miss
<i>uc_df_check_failure</i>	Uc_Df_Check_Failure
<i>uc_df_check_failure</i>	Uc_Df_Check_Failure
<i>uc_pc_cfg_table_drop</i>	Uc_Pc_Cfg_Table_Drop
<i>uc_pc_cfg_table_drop</i>	Uc_Pc_Cfg_Table_Drop
<i>illegal_expl_null</i>	Illegal_Expl_Null
<i>illegal_expl_null</i>	Illegal_Expl_Null
<i>mpls_lookup_miss</i>	Mpls_Lookup_Miss
<i>mpls_lookup_miss</i>	Mpls_Lookup_Miss
<i>outer_cbl_check</i>	Outer_Cbl_Check
<i>outer_cbl_check</i>	Outer_Cbl_Check
<i>null_shard_with_e_bit_set</i>	Null_Shard_With_E_Bit_Set
<i>null_shard_with_e_bit_set</i>	Null_Shard_With_E_Bit_Set
<i>lb_drop</i>	Lb_Drop
<i>lb_drop</i>	Lb_Drop
<i>nat_fragment</i>	Nat_Fragment
<i>nat_fragment</i>	Nat_Fragment
<i>illegal_dce_pkt</i>	Illegal_Dce_Pkt
<i>illegal_dce_pkt</i>	Illegal_Dce_Pkt
<i>dci_vnid_xlate_miss</i>	Dci_Vnid_Xlate_Miss
<i>dci_vnid_xlate_miss</i>	Dci_Vnid_Xlate_Miss
<i>dci_sclass_xlate_miss</i>	Dci_Sclass_Xlate_Miss
<i>dci_sclass_xlate_miss</i>	Dci_Sclass_Xlate_Miss
<i>dci_2nd_uc_transit</i>	Dci_2nd_Uc_Transit
<i>dci_2nd_uc_transit</i>	Dci_2nd_Uc_Transit

Command Mode

- /exec/elamtah/outsel2

tahusd-set drpvec

```
tahusd-set drpvec { parse_err <parse_err> | outer_ids_g0 <outer_ids_g0> | outer_ids_g1 <outer_ids_g1> |
outer_ids_g2 <outer_ids_g2> | outer_ids_g3 <outer_ids_g3> | outer_ids_g4 <outer_ids_g4> | outer_ids_g5
<outer_ids_g5> | outer_ids_g6 <outer_ids_g6> | outer_ids_g7 <outer_ids_g7> | outer_xlate_miss
<outer_xlate_miss> | infra_encap_src_tep_miss <infra_encap_src_tep_miss> | infra_encap_type_mismatch
<infra_encap_type_mismatch> | uc_tenant_mytep_route_miss <uc_tenant_mytep_route_miss> |
uc_tenant_mytep_bridge_miss <uc_tenant_mytep_bridge_miss> | arp_nd_ucast_miss <arp_nd_ucast_miss>
| mc_dvif_miss <mc_dvif_miss> | shard_override_vlan_xlate_miss <shard_override_vlan_xlate_miss> |
fcf_check_failed <fcf_check_failed> | ttl_expired <ttl_expired> | security_group_deny <security_group_deny>
| mc_iic <mc_iic> | mc_gipo_miss <mc_gipo_miss> | vif_miss <vif_miss> | missing_vntag <missing_vntag>
| vlan_xlate_miss <vlan_xlate_miss> | ip_mtu_check_failure <ip_mtu_check_failure> | uc_rpf_failure
<uc_rpf_failure> | mc_rpf_failure <mc_rpf_failure> | l3_binding_failure <l3_binding_failure> |
nsh_not_allowed <nsh_not_allowed> | src_vlan_mbr <src_vlan_mbr> | nsh_src_sw_chk_failed
<nsh_src_sw_chk_failed> | l2mp_iic_failed <l2mp_iic_failed> | l2mp_on_ce_bd <l2mp_on_ce_bd> |
l2mp_encap_from_edge <l2mp_encap_from_edge> | l2mp_noencap_from_core <l2mp_noencap_from_core>
| outer_ttl_expired <outer_ttl_expired> | incorrect_vntag_type <incorrect_vntag_type> | l2mp_ftag_comp_miss
<l2mp_ftag_comp_miss> | ipv6_uc_link_local_cross_bd <ipv6_uc_link_local_cross_bd> |
ipv6_mc_sa_local_da_global_svi <ipv6_mc_sa_local_da_global_svi> | ipv6_mc_sa_local_da_global_l3if
<ipv6_mc_sa_local_da_global_l3if> | routing_disabled <routing_disabled> | fc_lookup_miss <fc_lookup_miss>
| no_sgt_from_core <no_sgt_from_core> | ip_self_fwd_failure <ip_self_fwd_failure> | acl_drop <acl_drop>
| smac_miss <smac_miss> | secure_mac_move <secure_mac_move> | non_secure_mac <non_secure_mac>
| l2_binding_failure <l2_binding_failure> | inner_ids_g0 <inner_ids_g0> | inner_ids_g1 <inner_ids_g1> |
inner_ids_g2 <inner_ids_g2> | inner_ids_g3 <inner_ids_g3> | inner_ids_g4 <inner_ids_g4> | inner_ids_g5
<inner_ids_g5> | inner_ids_g6 <inner_ids_g6> | inner_ids_g7 <inner_ids_g7> | infra_encap_src_tep_drop
<infra_encap_src_tep_drop> | split_horizon_check <split_horizon_check> | mc_fib_miss <mc_fib_miss> |
mc_l2_miss <mc_l2_miss> | uc_df_check_failure <uc_df_check_failure> | uc_pc_cfg_table_drop
<uc_pc_cfg_table_drop> | illegal_expl_null <illegal_expl_null> | mpls_lookup_miss <mpls_lookup_miss>
| outer_cbl_check <outer_cbl_check> | null_shard_with_e_bit_set <null_shard_with_e_bit_set> | lb_drop
<lb_drop> | nat_fragment <nat_fragment> | illegal_dce_pkt <illegal_dce_pkt> | dci_vnid_xlate_miss
<dci_vnid_xlate_miss> | dci_sclass_xlate_miss <dci_sclass_xlate_miss> | dci_2nd_uc_transit
<dci_2nd_uc_transit> } +
```

Syntax Description

tahusd-set	Setup Trigger
drpvec	All drop vector fields
parse_err	Parse_Err
<i>parse_err</i>	Parse_Err
outer_ids_g0	Outer_Ids_G0
<i>outer_ids_g0</i>	Outer_Ids_G0
outer_ids_g1	Outer_Ids_G1
<i>outer_ids_g1</i>	Outer_Ids_G1
outer_ids_g2	Outer_Ids_G2

<i>outer_ids_g2</i>	Outer_Ids_G2
<i>outer_ids_g3</i>	Outer_Ids_G3
<i>outer_ids_g3</i>	Outer_Ids_G3
<i>outer_ids_g4</i>	Outer_Ids_G4
<i>outer_ids_g4</i>	Outer_Ids_G4
<i>outer_ids_g5</i>	Outer_Ids_G5
<i>outer_ids_g5</i>	Outer_Ids_G5
<i>outer_ids_g6</i>	Outer_Ids_G6
<i>outer_ids_g6</i>	Outer_Ids_G6
<i>outer_ids_g7</i>	Outer_Ids_G7
<i>outer_ids_g7</i>	Outer_Ids_G7
<i>outer_xlate_miss</i>	Outer_Xlate_Miss
<i>outer_xlate_miss</i>	Outer_Xlate_Miss
<i>infra_encap_src_tep_miss</i>	Infra_Encap_Src_Tep_Miss
<i>infra_encap_src_tep_miss</i>	Infra_Encap_Src_Tep_Miss
<i>infra_encap_type_mismatch</i>	Infra_Encap_Type_Mismatch
<i>infra_encap_type_mismatch</i>	Infra_Encap_Type_Mismatch
<i>uc_tenant_mytep_route_miss</i>	Uc_Tenant_Mytep_Route_Miss
<i>uc_tenant_mytep_route_miss</i>	Uc_Tenant_Mytep_Route_Miss
<i>uc_tenant_mytep_bridge_miss</i>	Uc_Tenant_Mytep_Bridge_Miss
<i>uc_tenant_mytep_bridge_miss</i>	Uc_Tenant_Mytep_Bridge_Miss
<i>arp_nd_ucast_miss</i>	Arp_Nd_Ucast_Miss
<i>arp_nd_ucast_miss</i>	Arp_Nd_Ucast_Miss
<i>mc_dvif_miss</i>	Mc_Dvif_Miss
<i>mc_dvif_miss</i>	Mc_Dvif_Miss
<i>shard_override_vlan_xlate_miss</i>	Shard_Override_Vlan_Xlate_Miss
<i>shard_override_vlan_xlate_miss</i>	Shard_Override_Vlan_Xlate_Miss
<i>fcf_check_failed</i>	Fcf_Check_Failed
<i>fcf_check_failed</i>	Fcf_Check_Failed

ttl_expired	Ttl_Expired
<i>ttl_expired</i>	Ttl_Expired
security_group_deny	Security_Group_Deny
<i>security_group_deny</i>	Security_Group_Deny
mc_iic	Mc_Iic
<i>mc_iic</i>	Mc_Iic
mc_gipo_miss	Mc_Gipo_Miss
<i>mc_gipo_miss</i>	Mc_Gipo_Miss
vif_miss	Vif_Miss
<i>vif_miss</i>	Vif_Miss
missing_vntag	Missing_Vntag
<i>missing_vntag</i>	Missing_Vntag
vlan_xlate_miss	Vlan_Xlate_Miss
<i>vlan_xlate_miss</i>	Vlan_Xlate_Miss
ip_mtu_check_failure	Ip_Mtu_Check_Failure
<i>ip_mtu_check_failure</i>	Ip_Mtu_Check_Failure
uc_rpf_failure	Uc_Rpf_Failure
<i>uc_rpf_failure</i>	Uc_Rpf_Failure
mc_rpf_failure	Mc_Rpf_Failure
<i>mc_rpf_failure</i>	Mc_Rpf_Failure
l3_binding_failure	L3_Binding_Failure
<i>l3_binding_failure</i>	L3_Binding_Failure
nsh_not_allowed	Nsh_Not_Allowed
<i>nsh_not_allowed</i>	Nsh_Not_Allowed
src_vlan_mbr	Src_Vlan_Mbr
<i>src_vlan_mbr</i>	Src_Vlan_Mbr
nsh_src_sw_chk_failed	Nsh_Src_Sw_Chk_Failed
<i>nsh_src_sw_chk_failed</i>	Nsh_Src_Sw_Chk_Failed
l2mp_iic_failed	L2Mp_Iic_Failed

<i>l2mp_iic_failed</i>	L2Mp_Iic_Failed
<i>l2mp_on_ce_bd</i>	L2Mp_On_Ce_Bd
<i>l2mp_on_ce_bd</i>	L2Mp_On_Ce_Bd
<i>l2mp_encap_from_edge</i>	L2Mp_Encap_From_Edge
<i>l2mp_encap_from_edge</i>	L2Mp_Encap_From_Edge
<i>l2mp_noencap_from_core</i>	L2Mp_Noencap_From_Core
<i>l2mp_noencap_from_core</i>	L2Mp_Noencap_From_Core
<i>outer_ttl_expired</i>	Outer_Ttl_Expired
<i>outer_ttl_expired</i>	Outer_Ttl_Expired
<i>incorrect_vntag_type</i>	Incorrect_Vntag_Type
<i>incorrect_vntag_type</i>	Incorrect_Vntag_Type
<i>l2mp_ftag_comp_miss</i>	L2Mp_Ftag_Comp_Miss
<i>l2mp_ftag_comp_miss</i>	L2Mp_Ftag_Comp_Miss
<i>ipv6_uc_link_local_cross_bd</i>	Ipv6_Uc_Link_Local_Cross_Bd
<i>ipv6_uc_link_local_cross_bd</i>	Ipv6_Uc_Link_Local_Cross_Bd
<i>ipv6_mc_sa_local_da_global_svi</i>	Ipv6_Mc_Sa_Local_Da_Global_Svi
<i>ipv6_mc_sa_local_da_global_svi</i>	Ipv6_Mc_Sa_Local_Da_Global_Svi
<i>ipv6_mc_sa_local_da_global_l3if</i>	Ipv6_Mc_Sa_Local_Da_Global_L3If
<i>ipv6_mc_sa_local_da_global_l3if</i>	Ipv6_Mc_Sa_Local_Da_Global_L3If
<i>routing_disabled</i>	Routing_Disabled
<i>routing_disabled</i>	Routing_Disabled
<i>fc_lookup_miss</i>	Fc_Lookup_Miss
<i>fc_lookup_miss</i>	Fc_Lookup_Miss
<i>no_sgt_from_core</i>	No_Sgt_From_Core
<i>no_sgt_from_core</i>	No_Sgt_From_Core
<i>ip_self_fwd_failure</i>	Ip_Self_Fwd_Failure
<i>ip_self_fwd_failure</i>	Ip_Self_Fwd_Failure
<i>acl_drop</i>	Acl_Drop
<i>acl_drop</i>	Acl_Drop

smac_miss	Smac_Miss
<i>smac_miss</i>	Smac_Miss
secure_mac_move	Secure_Mac_Move
<i>secure_mac_move</i>	Secure_Mac_Move
non_secure_mac	Non_Secure_Mac
<i>non_secure_mac</i>	Non_Secure_Mac
l2_binding_failure	L2_Binding_Failure
<i>l2_binding_failure</i>	L2_Binding_Failure
inner_ids_g0	Inner_Ids_G0
<i>inner_ids_g0</i>	Inner_Ids_G0
inner_ids_g1	Inner_Ids_G1
<i>inner_ids_g1</i>	Inner_Ids_G1
inner_ids_g2	Inner_Ids_G2
<i>inner_ids_g2</i>	Inner_Ids_G2
inner_ids_g3	Inner_Ids_G3
<i>inner_ids_g3</i>	Inner_Ids_G3
inner_ids_g4	Inner_Ids_G4
<i>inner_ids_g4</i>	Inner_Ids_G4
inner_ids_g5	Inner_Ids_G5
<i>inner_ids_g5</i>	Inner_Ids_G5
inner_ids_g6	Inner_Ids_G6
<i>inner_ids_g6</i>	Inner_Ids_G6
inner_ids_g7	Inner_Ids_G7
<i>inner_ids_g7</i>	Inner_Ids_G7
infra_encap_src_tep_drop	Infra_Encap_Src_Tep_Drop
<i>infra_encap_src_tep_drop</i>	Infra_Encap_Src_Tep_Drop
split_horizon_check	Split_Horizon_Check
<i>split_horizon_check</i>	Split_Horizon_Check
mc_fib_miss	Mc_Fib_Miss

<i>mc_fib_miss</i>	Mc_Fib_Miss
<i>mc_l2_miss</i>	Mc_L2_Miss
<i>mc_l2_miss</i>	Mc_L2_Miss
<i>uc_df_check_failure</i>	Uc_Df_Check_Failure
<i>uc_df_check_failure</i>	Uc_Df_Check_Failure
<i>uc_pc_cfg_table_drop</i>	Uc_Pc_Cfg_Table_Drop
<i>uc_pc_cfg_table_drop</i>	Uc_Pc_Cfg_Table_Drop
<i>illegal_expl_null</i>	Illegal_Expl_Null
<i>illegal_expl_null</i>	Illegal_Expl_Null
<i>mpls_lookup_miss</i>	Mpls_Lookup_Miss
<i>mpls_lookup_miss</i>	Mpls_Lookup_Miss
<i>outer_cbl_check</i>	Outer_Cbl_Check
<i>outer_cbl_check</i>	Outer_Cbl_Check
<i>null_shard_with_e_bit_set</i>	Null_Shard_With_E_Bit_Set
<i>null_shard_with_e_bit_set</i>	Null_Shard_With_E_Bit_Set
<i>lb_drop</i>	Lb_Drop
<i>lb_drop</i>	Lb_Drop
<i>nat_fragment</i>	Nat_Fragment
<i>nat_fragment</i>	Nat_Fragment
<i>illegal_dce_pkt</i>	Illegal_Dce_Pkt
<i>illegal_dce_pkt</i>	Illegal_Dce_Pkt
<i>dci_vnid_xlate_miss</i>	Dci_Vnid_Xlate_Miss
<i>dci_vnid_xlate_miss</i>	Dci_Vnid_Xlate_Miss
<i>dci_sclass_xlate_miss</i>	Dci_Sclass_Xlate_Miss
<i>dci_sclass_xlate_miss</i>	Dci_Sclass_Xlate_Miss
<i>dci_2nd_uc_transit</i>	Dci_2nd_Uc_Transit
<i>dci_2nd_uc_transit</i>	Dci_2nd_Uc_Transit

Command Mode

- /exec/elamtah/outsel1

tahusd-set ieth

```
tahusd-set ieth { sof <sof_val> | hdr_type <hdr_type> | ext_hd <ext_hd> | opcode <opcode> | src_idx <src_idx> |
dst_idx <dst_idx> | src_chip <src_chip> | src_port <src_port> | dst_chip <dst_chip> | dst_port <dst_port> |
outer_bd <outer_bd> | bd <bd> | traceroute <traceroute> | dont_lrn <dont_lrn> | span <span> | alt_if_prof
<alt_if_prof> | ttl_bypass <ttl_bypass> | src_is_tunl <src_is_tunl> | dst_is_tunl <dst_is_tunl> | l2_tunl <l2_tunl>
| sup_tx <sup_tx> | sup_code <sup_code> | cos_de <cos_de> | tclass <tclass> | src_is_peer <src_is_peer> |
pkt_hash <pkt_hash> } +
```

Syntax Description

tahusd-set	Setup Trigger
ieth	All iETH Hdr Fields
sof	Start of Frame
<i>sof_val</i>	Start of Frame
hdr_type	Header Type
<i>hdr_type</i>	Header Type
ext_hd	Ext hd
<i>ext_hd</i>	Ext hd
opcode	Opcode
<i>opcode</i>	Opcode
src_idx	Source Index
<i>src_idx</i>	Source Index
dst_idx	Destination Index
<i>dst_idx</i>	Destination Index
src_chip	Source Chip
<i>src_chip</i>	Source Chip
src_port	Source Port
<i>src_port</i>	Source Port
dst_chip	Destination Chip
<i>dst_chip</i>	Destination Chip
dst_port	Destination Port
<i>dst_port</i>	Destination Port

outer_bd	Outer BD
<i>outer_bd</i>	Outer BD
bd	BD
<i>bd</i>	BD
traceroute	Trace Route
<i>traceroute</i>	Trace Route
dont_lrn	Don't Learn
<i>dont_lrn</i>	Don't Learn
span	Span
<i>span</i>	Span
alt_if_prof	Alternate IF Profile
<i>alt_if_prof</i>	Alternate IF Profile
tth_bypass	TTL Bypass
<i>tth_bypass</i>	TTL Bypass
src_is_tunl	Source is Tunnel
<i>src_is_tunl</i>	Source is Tunnel
dst_is_tunl	Destination is Tunnel
<i>dst_is_tunl</i>	Destination is Tunnel
l2_tunl	L2 Tunnel
<i>l2_tunl</i>	L2 Tunnel
sup_tx	Sup Tx
<i>sup_tx</i>	Sup Tx
sup_code	Sup Code
<i>sup_code</i>	Sup Code
cos_de	Cos De
<i>cos_de</i>	Cos De
tclass	Tclass
<i>tclass</i>	Tclass
src_is_peer	Source is Peer

<i>src_is_peer</i>	Source is Peer
<i>pkt_hash</i>	Packet Hash
<i>pkt_hash</i>	Packet Hash

Command Mode

- /exec/elamtah/inse18

tahusd-set ieth

```
tahusd-set ieth { sof <sof_val> | hdr_type <hdr_type> | ext_hd <ext_hd> | opcode <opcode> | src_idx <src_idx>
| dst_idx <dst_idx> | src_chip <src_chip> | src_port <src_port> | dst_chip <dst_chip> | dst_port <dst_port> |
outer_bd <outer_bd> | bd <bd> | traceroute <traceroute> | dont_lrn <dont_lrn> | span <span> | alt_if_prof
<alt_if_prof> | ttl_bypass <ttl_bypass> | src_is_tunl <src_is_tunl> | dst_is_tunl <dst_is_tunl> | l2_tunl <l2_tunl>
| sup_tx <sup_tx> | sup_code <sup_code> | cos_de <cos_de> | tclass <tclass> | src_is_peer <src_is_peer> |
pkt_hash <pkt_hash> } +
```

Syntax Description

tahusd-set	Setup Trigger
ieth	All iETH Hdr Fields
sof	Start of Frame
<i>sof_val</i>	Start of Frame
hdr_type	Header Type
<i>hdr_type</i>	Header Type
ext_hd	Ext hd
<i>ext_hd</i>	Ext hd
opcode	Opcode
<i>opcode</i>	Opcode
src_idx	Source Index
<i>src_idx</i>	Source Index
dst_idx	Destination Index
<i>dst_idx</i>	Destination Index
src_chip	Source Chip
<i>src_chip</i>	Source Chip
src_port	Source Port
<i>src_port</i>	Source Port
dst_chip	Destination Chip
<i>dst_chip</i>	Destination Chip
dst_port	Destination Port
<i>dst_port</i>	Destination Port

outer_bd	Outer BD
<i>outer_bd</i>	Outer BD
bd	BD
<i>bd</i>	BD
traceroute	Trace Route
<i>traceroute</i>	Trace Route
dont_lrn	Don't Learn
<i>dont_lrn</i>	Don't Learn
span	Span
<i>span</i>	Span
alt_if_prof	Alternate IF Profile
<i>alt_if_prof</i>	Alternate IF Profile
tth_bypass	TTL Bypass
<i>tth_bypass</i>	TTL Bypass
src_is_tunl	Source is Tunnel
<i>src_is_tunl</i>	Source is Tunnel
dst_is_tunl	Destination is Tunnel
<i>dst_is_tunl</i>	Destination is Tunnel
l2_tunl	L2 Tunnel
<i>l2_tunl</i>	L2 Tunnel
sup_tx	Sup Tx
<i>sup_tx</i>	Sup Tx
sup_code	Sup Code
<i>sup_code</i>	Sup Code
cos_de	Cos De
<i>cos_de</i>	Cos De
tclass	Tclass
<i>tclass</i>	Tclass
src_is_peer	Source is Peer

<i>src_is_peer</i>	Source is Peer
<i>pkt_hash</i>	Packet Hash
<i>pkt_hash</i>	Packet Hash

Command Mode

- /exec/elamtah/insel10

tahusd-set inner arp

```
tahusd-set inner arp { target-ip-addr <tipaddr> | target-mac-addr <tmac> | source-ip-addr <sipaddr> |
source-mac-addr <smac> | opcode <opcode_val> | prot-addr-len <prot_addr_len> | hw-addr-len <hw_addr_len>
| protocol-type <prot_type> | hardware-type <hw_type> | ether-type <etype> | payload-len <pyld_len> } +
```

Syntax Description

tahusd-set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
arp	ARP Fields
target-ip-addr	ARP Target IP Address
<i>tipaddr</i>	ARP Target IP Address
target-mac-addr	ARP Target MAC Address
<i>tmac</i>	ARP Target MAC Address
source-ip-addr	ARP Source IP Address
<i>sipaddr</i>	ARP Source IP Address
source-mac-addr	ARP Source MAC Address
<i>smac</i>	ARP Source MAC Address
opcode	ARP Opcode
<i>opcode_val</i>	ARP Opcode
prot-addr-len	ARP Protocol Address Length
<i>prot_addr_len</i>	ARP Protocol Address Length
hw-addr-len	ARP Hardware Address Length
<i>hw_addr_len</i>	ARP Hardware Address Length
protocol-type	ARP Protocol Type
<i>prot_type</i>	ARP Protocol Type
hardware-type	ARP Hardware Type
<i>hw_type</i>	ARP Hardware Type
ether-type	ARP Ether Type - 0x0806 -> ARP 0x8035 -> RARP
<i>etype</i>	ARP Ether Type - 0x0806 -> ARP 0x8035 -> RARP
payload-len	ARP Payload Length

<i>pyld_len</i>	ARP Payload Length
-----------------	--------------------

Command Mode

- /exec/elamtah/insel7

tahusd-set inner ipv4

```
tahusd-set inner ipv4 { pyld-len <pyld_len> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn
<ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol
<nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } +
```

Syntax Description

tahusd-set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
ipv4	IPv4 Fields
pyld-len	Payload Length
<i>pyld_len</i>	Payload Length
version	Version
<i>ver</i>	Version
header-len	Header Length
<i>hlen</i>	Header Length
dscp	Diff. Serv. Code Point
<i>dscp_val</i>	Diff. Serv. Code Point
ecn	Explicit Congestion Ntn
<i>ecn_val</i>	Explicit Congestion Ntn
packet-len	Packet Total Length
<i>pkt_len</i>	Packet Total Length
more-frags	More Fragments Available
<i>mf</i>	More Fragments Available
fragment-off	Fragments Offset
<i>fragoff</i>	Fragments Offset
ttl	Time to Live
<i>ttl_val</i>	Time to Live
next-protocol	Next Protocol
<i>nproto</i>	Next Protocol
checksum	Checksum

<i>csum</i>	Checksum
<i>src_ip</i>	Source IP Address
<i>sip</i>	Source IP Address
<i>dst_ip</i>	Destination IP Address
<i>dip</i>	Destination IP Address

Command Mode

- /exec/elamtah/insel7

tahusd-set inner ipv6 src_ip

tahusd-set inner ipv6 { src_ip <sip> | dst_ip <dip> } +

Syntax Description

tahusd-set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
ipv6	IPv6 Fields
src_ip	Source IP Address
dst_ip	Destination IP Address

Command Mode

- /exec/elamtah/insel7

tahusd-set inner l2

```
tahusd-set inner l2 { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> |
cos <cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif>
| vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } +
```

Syntax Description

tahusd-set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
snap_vld	SNAP Header Information Valid
<i>snap_vld</i>	SNAP Header Information Valid
cntag_vld	CNTag Information Valid
<i>cntag_vld</i>	CNTag Information Valid
qtag_vld	VLAN Tag Information Valid
<i>qtag_vld</i>	VLAN Tag Information Valid
vlan	VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	VLAN Id
cos	Class of Service
<i>cos_val</i>	Class of Service Type
cfi	CFI Setting
<i>cfi_vld</i>	CFI Setting Valid
vntag_vld	VNTAG Information Valid
<i>vntag_vld</i>	VNTAG Information Valid
vntag_svif	VNTAG Source vif
<i>vntag_svif</i>	VNTAG Source vif
vntag_dvif	VNTAG Destination vif
<i>vntag_dvif</i>	VNTAG Destination vif
vntag_looped	VNTAG Header Looped Valid
<i>vntag_loop</i>	VNTAG Header Looped Valid
vntag_pointer	VNTAG Header Pointer Valid

<i>vntag_p</i>	VNTAG Header Pointer Valid
<i>src_mac</i>	Source MAC Address
<i>smac</i>	Source MAC Address Value
<i>dst_mac</i>	Destination MAC Address
<i>dmac</i>	Destination MAC Address Value

Command Mode

- /exec/elamtah/inse17

tahusd-set inner l4

```
tahusd-set inner l4 { l4-type <l4_type> | src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum
<csum> | flags <flag_val> | tn-nonce <tn_nonce> | tn-lsb <tn_lsb> | tn-nonce-info <tn_nonce_info> | tn-lsb-info
<tn_lsb_info> | vnid <vnid_val> | nd-type <nd_type> | nd-code <nd_code> | nd-flags <nd_flags> | nd-ip
<nd_ip> | nonce-lb <nonce_lb> | nonce-dl <nonce_dl> | nonce-e <nonce_e> | nonce-sp <nonce_sp> | nonce-dp
<nonce_dp> | nonce-dre <nonce_dre> | sclass <sclass> | lsb-m <lsb_m> | lsb-lb-tag <lsb_lb_tag> | lsb-lb-metric
<lsb_lb_metric> } +
```

Syntax Description

tahusd-set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l4	L4 Fields
l4-type	L4 Type
<i>l4_type</i>	L4 Type Value - 0:TCP 1:UDP 2:IVXLAN 3:VXLAN 4:NVGRE 5:VXLANG 6:ERSPAN2 7:ERSPAN3 8:ND 9:GRE 10:IP 11:L4OTH
src-port	Source Port Information
<i>sport</i>	Source Port
dst-port	Destination Port Information
<i>dport</i>	Destination Port
packet-len	Packet Length
<i>pkt_len</i>	Packet Length
checksum	Checksum
<i>csum</i>	Checksum
flags	L4 Flags
<i>flag_val</i>	L4 Flags
tn-nonce	Nonce valid
<i>tn_nonce</i>	Nonce valid
tn-lsb	Lsb valid
<i>tn_lsb</i>	Lsb valid
tn-nonce-info	Nonce Info
<i>tn_nonce_info</i>	Nonce Info
tn-lsb-info	Lsb Info

<i>tn_lsb_info</i>	Lsb Info
<i>vnid</i>	Virtual Network Id
<i>vnid_val</i>	Virtual Network Id
<i>nd-type</i>	ND Type
<i>nd_type</i>	ND Type
<i>nd-code</i>	ND Code
<i>nd_code</i>	ND Code
<i>nd-flags</i>	ND Flags
<i>nd_flags</i>	ND Flags
<i>nd-ip</i>	ND IP
<i>nonce-lb</i>	Nonce Load Balance
<i>nonce_lb</i>	Nonce Load Balance
<i>nonce-dl</i>	Nonce Don't Learn
<i>nonce_dl</i>	Nonce Don't Learn
<i>nonce-e</i>	Nonce Exception
<i>nonce_e</i>	Nonce Exception
<i>nonce-sp</i>	Nonce Src Policy applied
<i>nonce_sp</i>	Nonce Src Policy applied
<i>nonce-dp</i>	Nonce Dst Policy applied
<i>nonce_dp</i>	Nonce Dst Policy applied
<i>nonce-dre</i>	Nonce Congestion Est.
<i>nonce_dre</i>	Nonce Congestion Est.
<i>sclass</i>	Nonce Src Class
<i>sclass</i>	Nonce Src Class
<i>lsb-m</i>	Lsb Marker
<i>lsb_m</i>	Lsb Marker
<i>lsb-lb-tag</i>	Lsb LB Tag
<i>lsb_lb_tag</i>	Lsb LB Tag
<i>lsb-lb-metric</i>	Lsb LB Metric

<i>lsb_lb_metric</i>	Lsb LB Metric
----------------------	---------------

Command Mode

- /exec/elamta/insel7

tahusd-set inner mpls

```
tahusd-set inner mpls { l3-type <l3_type> | label0_lbl <label0_lbl> | label0_ttl <label0_ttl> | label0_sbit
<label0_sbit> | label1_lbl <label1_lbl> | label1_ttl <label1_ttl> | label1_sbit <label1_sbit> | label2_lbl
<label2_lbl> | label2_ttl <label2_ttl> | label2_sbit <label2_sbit> | label3_lbl <label3_lbl> | label3_ttl <label3_ttl>
| label3_sbit <label3_sbit> | label4_lbl <label4_lbl> | label4_ttl <label4_ttl> | label4_sbit <label4_sbit> |
label5_lbl <label5_lbl> | label5_ttl <label5_ttl> | label5_sbit <label5_sbit> } +
```

Syntax Description

tahusd-set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
mpls	MPLS Fields
l3-type	L3 Type - 0:CE 1:FC 2:IPv4 3:IPv6 4:ARP 5:MPLS
<i>l3_type</i>	L3 Type Value - 0:CE 1:FC 2:IPv4 3:IPv6 4:ARP 5:MPLS
label0_lbl	MPLS Label0 Label value
<i>label0_lbl</i>	MPLS Label0 Label value
label0_ttl	MPLS Label0 Time to Live
<i>label0_ttl</i>	MPLS Label0 Time to Live
label0_sbit	MPLS Label0 End of Stack
<i>label0_sbit</i>	MPLS Label0 End of Stack
label1_lbl	MPLS Label1 Label value
<i>label1_lbl</i>	MPLS Label1 Label value
label1_ttl	MPLS Label1 Time to Live
<i>label1_ttl</i>	MPLS Label1 Time to Live
label1_sbit	MPLS Label1 End of Stack
<i>label1_sbit</i>	MPLS Label1 End of Stack
label2_lbl	MPLS Label2 Label value
<i>label2_lbl</i>	MPLS Label2 Label value
label2_ttl	MPLS Label2 Time to Live
<i>label2_ttl</i>	MPLS Label2 Time to Live
label2_sbit	MPLS Label2 End of Stack
<i>label2_sbit</i>	MPLS Label2 End of Stack

label3_lbl	MPLS Label3 Label value
<i>label3_lbl</i>	MPLS Label3 Label value
label3_ttl	MPLS Label3 Time to Live
<i>label3_ttl</i>	MPLS Label3 Time to Live
label3_sbit	MPLS Label3 End of Stack
<i>label3_sbit</i>	MPLS Label3 End of Stack
label4_lbl	MPLS Label4 Label value
<i>label4_lbl</i>	MPLS Label4 Label value
label4_ttl	MPLS Label4 Time to Live
<i>label4_ttl</i>	MPLS Label4 Time to Live
label4_sbit	MPLS Label4 End of Stack
<i>label4_sbit</i>	MPLS Label4 End of Stack
label5_lbl	MPLS Label5 Label value
<i>label5_lbl</i>	MPLS Label5 Label value
label5_ttl	MPLS Label5 Time to Live
<i>label5_ttl</i>	MPLS Label5 Time to Live
label5_sbit	MPLS Label5 End of Stack
<i>label5_sbit</i>	MPLS Label5 End of Stack

Command Mode

- /exec/elamtah/inse17

tahusd-set outer arp

tahusd-set { outer | inner } arp { target-ip-addr <tipaddr> | target-mac-addr <tmac> | source-ip-addr <sipaddr> | source-mac-addr <smac> | opcode <opcode_val> | prot-addr-len <prot_addr_len> | hw-addr-len <hw_addr_len> | protocol-type <prot_type> | hardware-type <hw_type> | ether-type <etype> | payload-len <pyld_len> } +

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
inner	Mask and Match By Inner Packet Fields
arp	ARP Fields
target-ip-addr	ARP Target IP Address
<i>tipaddr</i>	ARP Target IP Address
target-mac-addr	ARP Target MAC Address
<i>tmac</i>	ARP Target MAC Address
source-ip-addr	ARP Source IP Address
<i>sipaddr</i>	ARP Source IP Address
source-mac-addr	ARP Source MAC Address
<i>smac</i>	ARP Source MAC Address
opcode	ARP Opcode
<i>opcode_val</i>	ARP Opcode
prot-addr-len	ARP Protocol Address Length
<i>prot_addr_len</i>	ARP Protocol Address Length
hw-addr-len	ARP Hardware Address Length
<i>hw_addr_len</i>	ARP Hardware Address Length
protocol-type	ARP Protocol Type
<i>prot_type</i>	ARP Protocol Type
hardware-type	ARP Hardware Type
<i>hw_type</i>	ARP Hardware Type
ether-type	ARP Ether Type - 0x0806 -> ARP 0x8035 -> RARP
<i>etype</i>	ARP Ether Type - 0x0806 -> ARP 0x8035 -> RARP

payload-len	ARP Payload Length
<i>pyld_len</i>	ARP Payload Length

Command Mode

- /exec/elamtah/inse19

tahusd-set outer arp

```
tahusd-set outer arp { target-ip-addr <tipaddr> | target-mac-addr <tmac> | source-ip-addr <sipaddr> |
source-mac-addr <smac> | opcode <opcode_val> | prot-addr-len <prot_addr_len> | hw-addr-len <hw_addr_len>
| protocol-type <prot_type> | hardware-type <hw_type> | ether-type <etype> | payload-len <pyld_len> } +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
arp	ARP Fields
target-ip-addr	ARP Target IP Address
<i>tipaddr</i>	ARP Target IP Address
target-mac-addr	ARP Target MAC Address
<i>tmac</i>	ARP Target MAC Address
source-ip-addr	ARP Source IP Address
<i>sipaddr</i>	ARP Source IP Address
source-mac-addr	ARP Source MAC Address
<i>smac</i>	ARP Source MAC Address
opcode	ARP Opcode
<i>opcode_val</i>	ARP Opcode
prot-addr-len	ARP Protocol Address Length
<i>prot_addr_len</i>	ARP Protocol Address Length
hw-addr-len	ARP Hardware Address Length
<i>hw_addr_len</i>	ARP Hardware Address Length
protocol-type	ARP Protocol Type
<i>prot_type</i>	ARP Protocol Type
hardware-type	ARP Hardware Type
<i>hw_type</i>	ARP Hardware Type
ether-type	ARP Ether Type - 0x0806 -> ARP 0x8035 -> RARP
<i>etype</i>	ARP Ether Type - 0x0806 -> ARP 0x8035 -> RARP
payload-len	ARP Payload Length

<i>pyld_len</i>	ARP Payload Length
-----------------	--------------------

Command Mode

- /exec/elamtah/insel6

tahusd-set outer fcoe

```
tahusd-set outer fcoe { pyld-len <pyld_len> | ether-type <etype> | esof <esof> | r_ctl <r_ctl> | d_id <d_id> |
cs_ctl <cs_ctl> | s_id <s_id> | fc_type <fc_type> | f_ctl <f_ctl> | df_ctl <df_ctl> | ox_id <ox_id> | rx_id
<rx_id> | pyld0 <pyld0> | pyld1 <pyld1> | pyld2 <pyld2> | pyld3 <pyld3> | vft_vld <vft_vld> | vft_type
<vft_type> | vft_prio <vft_prio> | vft_vfid <vft_vfid> | vft_hopct <vft_hopct> } +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
fcoe	FCoE Fields
pyld-len	Payload Length
<i>pyld_len</i>	Payload Length
ether-type	FCoE Ether Type - 0x8906
<i>etype</i>	FCoE Ether Type - 0x8906
esof	ESOF
<i>esof</i>	ESOF Value
r_ctl	R_CTL
<i>r_ctl</i>	R_CTL value
d_id	D_ID
<i>d_id</i>	D_ID value
cs_ctl	CS_CTL
<i>cs_ctl</i>	CS_CTL value
s_id	S_ID
<i>s_id</i>	S_ID value
fc_type	FC_TYPE
<i>fc_type</i>	FC_TYPE value
f_ctl	F_CTL
<i>f_ctl</i>	F_CTL value
df_ctl	DF_CTL
<i>df_ctl</i>	DF_CTL value

<code>ox_id</code>	OxID
<code>ox_id</code>	OxID value
<code>rx_id</code>	RxID
<code>rx_id</code>	RxID value
<code>pyld0</code>	First 4 bytes of payload
<code>pyld0</code>	First 4 bytes of payload value
<code>pyld1</code>	Second 4 bytes of payload
<code>pyld1</code>	Second 4 bytes of payload value
<code>pyld2</code>	Third 4 bytes of payload
<code>pyld2</code>	Third 4 bytes of payload value
<code>pyld3</code>	Fourth 4 bytes of payload
<code>pyld3</code>	Fourth 4 bytes of payload value
<code>vft_vld</code>	VFT_VLD
<code>vft_vld</code>	VFT_VLD value
<code>vft_type</code>	VFT_TYPE
<code>vft_type</code>	VFT_TYPE value
<code>vft_prio</code>	VFT_PRIO
<code>vft_prio</code>	VFT_PRIO value
<code>vft_vfid</code>	VFT_VFID
<code>vft_vfid</code>	VFT_VFID value
<code>vft_hopct</code>	VFT_HOPCT
<code>vft_hopct</code>	VFT_HOPCT value

Command Mode

- `/exec/elamtah/insel6`

tahusd-set outer ipv4

tahusd-set outer ipv4 { pyld-len <pyld_len> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } +

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
ipv4	IPv4 Fields
pyld-len	Payload Length
<i>pyld_len</i>	Payload Length
version	Version
<i>ver</i>	Version
header-len	Header Length
<i>hlen</i>	Header Length
dscp	Diff. Serv. Code Point
<i>dscp_val</i>	Diff. Serv. Code Point
ecn	Explicit Congestion Ntn
<i>ecn_val</i>	Explicit Congestion Ntn
packet-len	Packet Total Length
<i>pkt_len</i>	Packet Total Length
more-frags	More Fragments Available
<i>mf</i>	More Fragments Available
fragment-off	Fragments Offset
<i>fragoff</i>	Fragments Offset
ttl	Time to Live
<i>ttl_val</i>	Time to Live
next-protocol	Next Protocol
<i>nproto</i>	Next Protocol
checksum	Checksum

<i>csum</i>	Checksum
<i>src_ip</i>	Source IP Address
<i>sip</i>	Source IP Address
<i>dst_ip</i>	Destination IP Address
<i>dip</i>	Destination IP Address

Command Mode

- /exec/elamtah/insel6

tahusd-set outer ipv4

tahusd-set { outer | inner } ipv4 { pyld-len <pyld_len> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } +

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
inner	Mask and Match By Inner Packet Fields
ipv4	IPv4 Fields
pyld-len	Payload Length
<i>pyld_len</i>	Payload Length
version	Version
<i>ver</i>	Version
header-len	Header Length
<i>hlen</i>	Header Length
dscp	Diff. Serv. Code Point
<i>dscp_val</i>	Diff. Serv. Code Point
ecn	Explicit Congestion Ntn
<i>ecn_val</i>	Explicit Congestion Ntn
packet-len	Packet Total Length
<i>pkt_len</i>	Packet Total Length
more-frags	More Fragments Available
<i>mf</i>	More Fragments Available
fragment-off	Fragments Offset
<i>fragoff</i>	Fragments Offset
ttl	Time to Live
<i>ttl_val</i>	Time to Live
next-protocol	Next Protocol
<i>nproto</i>	Next Protocol

checksum	Checksum
<i>csum</i>	Checksum
src_ip	Source IP Address
<i>sip</i>	Source IP Address
dst_ip	Destination IP Address
<i>dip</i>	Destination IP Address

Command Mode

- /exec/elamtah/inse19

tahusd-set outer ipv6 src_ip

tahusd-set outer ipv6 { src_ip <src_ip> | dst_ip <dst_ip> } +

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
ipv6	IPv6 Fields
src_ip	Source IP Address
dst_ip	Destination IP Address

Command Mode

- /exec/elamtah/insel6

tahusd-set outer ipv6 src_ip

tahusd-set { outer | inner } ipv6 { src_ip <src_ip> | dst_ip <dst_ip> } +

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
inner	Mask and Match By Inner Packet Fields
ipv6	IPv6 Fields
src_ip	Source IP Address
dst_ip	Destination IP Address

Command Mode

- /exec/elamtah/insel9

tahusd-set outer l2

```
tahusd-set { outer | inner } l2 { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan
<vlan_id> | cos <cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif
<vntag_dvif> | vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac>
} +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
snap_vld	SNAP Header Information Valid
<i>snap_vld</i>	SNAP Header Information Valid
cntag_vld	CNTAG Information Valid
<i>cntag_vld</i>	CNTAG Information Valid
qtag_vld	VLAN Tag Information Valid
<i>qtag_vld</i>	VLAN Tag Information Valid
vlan	VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	VLAN Id
cos	Class of Service
<i>cos_val</i>	Class of Service Type
cfi	CFI Setting
<i>cfi_vld</i>	CFI Setting Valid
vntag_vld	VNTAG Information Valid
<i>vntag_vld</i>	VNTAG Information Valid
vntag_svif	VNTAG Source vif
<i>vntag_svif</i>	VNTAG Source vif
vntag_dvif	VNTAG Destination vif
<i>vntag_dvif</i>	VNTAG Destination vif
vntag_looped	VNTAG Header Looped Valid

<i>vntag_loop</i>	VNTAG Header Looped Valid
<i>vntag_pointer</i>	VNTAG Header Pointer Valid
<i>vntag_p</i>	VNTAG Header Pointer Valid
<i>src_mac</i>	Source MAC Address
<i>smac</i>	Source MAC Address Value
<i>dst_mac</i>	Destination MAC Address
<i>dmac</i>	Destination MAC Address Value

Command Mode

- /exec/elamtah/inse18

tahusd-set outer l2

```
tahusd-set outer l2 { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> |
cos <cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif>
| vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	SNAP Header Information Valid
<i>snap_vld</i>	SNAP Header Information Valid
cntag_vld	CNTag Information Valid
<i>cntag_vld</i>	CNTag Information Valid
qtag_vld	VLAN Tag Information Valid
<i>qtag_vld</i>	VLAN Tag Information Valid
vlan	VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	VLAN Id
cos	Class of Service
<i>cos_val</i>	Class of Service Type
cfi	CFI Setting
<i>cfi_vld</i>	CFI Setting Valid
vntag_vld	VNTAG Information Valid
<i>vntag_vld</i>	VNTAG Information Valid
vntag_svif	VNTAG Source vif
<i>vntag_svif</i>	VNTAG Source vif
vntag_dvif	VNTAG Destination vif
<i>vntag_dvif</i>	VNTAG Destination vif
vntag_looped	VNTAG Header Looped Valid
<i>vntag_loop</i>	VNTAG Header Looped Valid
vntag_pointer	VNTAG Header Pointer Valid

<i>vntag_p</i>	VNTAG Header Pointer Valid
<i>src_mac</i>	Source MAC Address
<i>smac</i>	Source MAC Address Value
<i>dst_mac</i>	Destination MAC Address
<i>dmac</i>	Destination MAC Address Value

Command Mode

- /exec/elamtah/insel6

tahusd-set outer l4

```
tahusd-set outer l4 { l4-type <l4_type> | src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum
<csum> | flags <flag_val> | tn-nonce <tn_nonce> | tn-lsb <tn_lsb> | tn-nonce-info <tn_nonce_info> | tn-lsb-info
<tn_lsb_info> | vnid <vnid_val> | nd-type <nd_type> | nd-code <nd_code> | nd-flags <nd_flags> | nd-ip
<nd_ip> | nonce-lb <nonce_lb> | nonce-dl <nonce_dl> | nonce-e <nonce_e> | nonce-sp <nonce_sp> | nonce-dp
<nonce_dp> | nonce-dre <nonce_dre> | sclass <sclass> | lsb-m <lsb_m> | lsb-lb-tag <lsb_lb_tag> | lsb-lb-metric
<lsb_lb_metric> } +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l4	L4 Fields
l4-type	L4 Type
<i>l4_type</i>	L4 Type Value - 0:TCP 1:UDP 2:IVXLAN 3:VXLAN 4:NVGRE 5:VXLANG 6:ERSPAN2 7:ERSPAN3 8:ND 9:GRE 10:IP 11:L4OTH
src-port	Source Port Information
<i>sport</i>	Source Port
dst-port	Destination Port Information
<i>dport</i>	Destination Port
packet-len	Packet Length
<i>pkt_len</i>	Packet Length
checksum	Checksum
<i>csum</i>	Checksum
flags	L4 Flags 123
<i>flag_val</i>	L4 Flags
tn-nonce	Nonce valid
<i>tn_nonce</i>	Nonce valid
tn-lsb	Lsb valid
<i>tn_lsb</i>	Lsb valid
tn-nonce-info	Nonce Info
<i>tn_nonce_info</i>	Nonce Info
tn-lsb-info	Lsb Info

<i>tn_lsb_info</i>	Lsb Info
<i>vnid</i>	Virtual Network Id
<i>vnid_val</i>	Virtual Network Id
<i>nd-type</i>	ND Type
<i>nd_type</i>	ND Type
<i>nd-code</i>	ND Code
<i>nd_code</i>	ND Code
<i>nd-flags</i>	ND Flags
<i>nd_flags</i>	ND Flags
<i>nd-ip</i>	ND IP
<i>nonce-lb</i>	Nonce Load Balance
<i>nonce_lb</i>	Nonce Load Balance
<i>nonce-dl</i>	Nonce Don't Learn
<i>nonce_dl</i>	Nonce Don't Learn
<i>nonce-e</i>	Nonce Exception
<i>nonce_e</i>	Nonce Exception
<i>nonce-sp</i>	Nonce Src Policy applied
<i>nonce_sp</i>	Nonce Src Policy applied
<i>nonce-dp</i>	Nonce Dst Policy applied
<i>nonce_dp</i>	Nonce Dst Policy applied
<i>nonce-dre</i>	Nonce Congestion Est.
<i>nonce_dre</i>	Nonce Congestion Est.
<i>sclass</i>	Nonce Src Class
<i>sclass</i>	Nonce Src Class
<i>lsb-m</i>	Lsb Marker
<i>lsb_m</i>	Lsb Marker
<i>lsb-lb-tag</i>	Lsb LB Tag
<i>lsb_lb_tag</i>	Lsb LB Tag
<i>lsb-lb-metric</i>	Lsb LB Metric

<i>lsb_lb_metric</i>	Lsb LB Metric
----------------------	---------------

Command Mode

- /exec/elamtah/inse16

tahusd-set outer l4

```
tahusd-set { outer | inner } l4 { l4-type <l4_type> | src-port <sport> | dst-port <dport> | packet-len <pkt_len>
| checksum <csum> | flags <flag_val> | tn-nonce <tn_nonce> | tn-lsb <tn_lsb> | tn-nonce-info <tn_nonce_info>
| tn-lsb-info <tn_lsb_info> | vnid <vnid_val> | nd-type <nd_type> | nd-code <nd_code> | nd-flags <nd_flags>
| nd-ip <nd_ip> | nonce-lb <nonce_lb> | nonce-dl <nonce_dl> | nonce-e <nonce_e> | nonce-sp <nonce_sp> |
nonce-dp <nonce_dp> | nonce-dre <nonce_dre> | sclass <sclass> | lsb-m <lsb_m> | lsb-lb-tag <lsb_lb_tag> |
lsb-lb-metric <lsb_lb_metric> } +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
inner	Mask and Match By Inner Packet Fields
l4	L4 Fields
l4-type	L4 Type
<i>l4_type</i>	L4 Type Value - 0:TCP 1:UDP 2:IVXLAN 3:VXLAN 4:NVGRE 5:VXLANG 6:ERSPAN2 7:ERSPAN3 8:ND 9:GRE 10:IP 11:L4OTH
src-port	Source Port Information
<i>sport</i>	Source Port
dst-port	Destination Port Information
<i>dport</i>	Destination Port
packet-len	Packet Length
<i>pkt_len</i>	Packet Length
checksum	Checksum
<i>csum</i>	Checksum
flags	L4 Flags 123
<i>flag_val</i>	L4 Flags
tn-nonce	Nonce valid
<i>tn_nonce</i>	Nonce valid
tn-lsb	Lsb valid
<i>tn_lsb</i>	Lsb valid
tn-nonce-info	Nonce Info
<i>tn_nonce_info</i>	Nonce Info

tn-lsb-info	Lsb Info
<i>tn_lsb_info</i>	Lsb Info
vnid	Virtual Network Id
<i>vnid_val</i>	Virtual Network Id
nd-type	ND Type
<i>nd_type</i>	ND Type
nd-code	ND Code
<i>nd_code</i>	ND Code
nd-flags	ND Flags
<i>nd_flags</i>	ND Flags
nd-ip	ND IP
nonce-lb	Nonce Load Balance
<i>nonce_lb</i>	Nonce Load Balance
nonce-dl	Nonce Don't Learn
<i>nonce_dl</i>	Nonce Don't Learn
nonce-e	Nonce Exception
<i>nonce_e</i>	Nonce Exception
nonce-sp	Nonce Src Policy applied
<i>nonce_sp</i>	Nonce Src Policy applied
nonce-dp	Nonce Dst Policy applied
<i>nonce_dp</i>	Nonce Dst Policy applied
nonce-dre	Nonce Congestion Est.
<i>nonce_dre</i>	Nonce Congestion Est.
sclass	Nonce Src Class
<i>sclass</i>	Nonce Src Class
lsb-m	Lsb Marker
<i>lsb_m</i>	Lsb Marker
lsb-lb-tag	Lsb LB Tag
<i>lsb_lb_tag</i>	Lsb LB Tag

lsb-lb-metric	Lsb LB Metric
<i>lsb_lb_metric</i>	Lsb LB Metric

Command Mode

- /exec/elamtah/insel10

tahusd-set outer mpls

```
tahusd-set { outer | inner } mpls { l3-type <l3_type> | label0_lbl <label0_lbl> | label0_ttl <label0_ttl> |
label0_sbit <label0_sbit> | label1_lbl <label1_lbl> | label1_ttl <label1_ttl> | label1_sbit <label1_sbit> |
label2_lbl <label2_lbl> | label2_ttl <label2_ttl> | label2_sbit <label2_sbit> | label3_lbl <label3_lbl> | label3_ttl
<label3_ttl> | label3_sbit <label3_sbit> | label4_lbl <label4_lbl> | label4_ttl <label4_ttl> | label4_sbit
<label4_sbit> | label5_lbl <label5_lbl> | label5_ttl <label5_ttl> | label5_sbit <label5_sbit> } +
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
inner	Mask and Match By Inner Packet Fields
mpls	MPLS Fields
l3-type	L3 Type - 0:CE 1:FC 2:IPv4 3:IPv6 4:ARP 5:MPLS
<i>l3_type</i>	L3 Type Value - 0:CE 1:FC 2:IPv4 3:IPv6 4:ARP 5:MPLS
label0_lbl	MPLS Label0 Label value
<i>label0_lbl</i>	MPLS Label0 Label value
label0_ttl	MPLS Label0 Time to Live
<i>label0_ttl</i>	MPLS Label0 Time to Live
label0_sbit	MPLS Label0 End of Stack
<i>label0_sbit</i>	MPLS Label0 End of Stack
label1_lbl	MPLS Label1 Label value
<i>label1_lbl</i>	MPLS Label1 Label value
label1_ttl	MPLS Label1 Time to Live
<i>label1_ttl</i>	MPLS Label1 Time to Live
label1_sbit	MPLS Label1 End of Stack
<i>label1_sbit</i>	MPLS Label1 End of Stack
label2_lbl	MPLS Label2 Label value
<i>label2_lbl</i>	MPLS Label2 Label value
label2_ttl	MPLS Label2 Time to Live
<i>label2_ttl</i>	MPLS Label2 Time to Live
label2_sbit	MPLS Label2 End of Stack

<i>label2_sbit</i>	MPLS Label2 End of Stack
label3_lbl	MPLS Label3 Label value
<i>label3_lbl</i>	MPLS Label3 Label value
label3_ttl	MPLS Label3 Time to Live
<i>label3_ttl</i>	MPLS Label3 Time to Live
label3_sbit	MPLS Label3 End of Stack
<i>label3_sbit</i>	MPLS Label3 End of Stack
label4_lbl	MPLS Label4 Label value
<i>label4_lbl</i>	MPLS Label4 Label value
label4_ttl	MPLS Label4 Time to Live
<i>label4_ttl</i>	MPLS Label4 Time to Live
label4_sbit	MPLS Label4 End of Stack
<i>label4_sbit</i>	MPLS Label4 End of Stack
label5_lbl	MPLS Label5 Label value
<i>label5_lbl</i>	MPLS Label5 Label value
label5_ttl	MPLS Label5 Time to Live
<i>label5_ttl</i>	MPLS Label5 Time to Live
label5_sbit	MPLS Label5 End of Stack
<i>label5_sbit</i>	MPLS Label5 End of Stack

Command Mode

- /exec/elamtah/insel9

tahusd-set outer mpls

```
tahusd-set outer mpls { expl_null <expl_null> | { l3-type <l3_type> | label0_lbl <label0_lbl> | label0_ttl
<label0_ttl> | label0_sbit <label0_sbit> | label1_lbl <label1_lbl> | label1_ttl <label1_ttl> | label1_sbit
<label1_sbit> | label2_lbl <label2_lbl> | label2_ttl <label2_ttl> | label2_sbit <label2_sbit> | label3_lbl
<label3_lbl> | label3_ttl <label3_ttl> | label3_sbit <label3_sbit> | label4_lbl <label4_lbl> | label4_ttl <label4_ttl>
| label4_sbit <label4_sbit> | label5_lbl <label5_lbl> | label5_ttl <label5_ttl> | label5_sbit <label5_sbit> } + }
```

Syntax Description

tahusd-set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
mpls	MPLS Fields
l3-type	L3 Type - 0:CE 1:FC 2:IPv4 3:IPv6 4:ARP 5:MPLS
<i>l3_type</i>	L3 Type Value - 0:CE 1:FC 2:IPv4 3:IPv6 4:ARP 5:MPLS
expl_null	capture packet with mpls label0=0 and S=1. NOTE: Captured pkt would be presented as an IP pkt
<i>expl_null</i>	0 -> explicit_null=0 , 1 -> explicit null=1
label0_lbl	MPLS Label0 Label value
<i>label0_lbl</i>	MPLS Label0 Label value
label0_ttl	MPLS Label0 Time to Live
<i>label0_ttl</i>	MPLS Label0 Time to Live
label0_sbit	MPLS Label0 End of Stack
<i>label0_sbit</i>	MPLS Label0 End of Stack
label1_lbl	MPLS Label1 Label value
<i>label1_lbl</i>	MPLS Label1 Label value
label1_ttl	MPLS Label1 Time to Live
<i>label1_ttl</i>	MPLS Label1 Time to Live
label1_sbit	MPLS Label1 End of Stack
<i>label1_sbit</i>	MPLS Label1 End of Stack
label2_lbl	MPLS Label2 Label value
<i>label2_lbl</i>	MPLS Label2 Label value
label2_ttl	MPLS Label2 Time to Live

<i>label2_ttl</i>	MPLS Label2 Time to Live
<i>label2_sbit</i>	MPLS Label2 End of Stack
<i>label2_sbit</i>	MPLS Label2 End of Stack
<i>label3_lbl</i>	MPLS Label3 Label value
<i>label3_lbl</i>	MPLS Label3 Label value
<i>label3_ttl</i>	MPLS Label3 Time to Live
<i>label3_ttl</i>	MPLS Label3 Time to Live
<i>label3_sbit</i>	MPLS Label3 End of Stack
<i>label3_sbit</i>	MPLS Label3 End of Stack
<i>label4_lbl</i>	MPLS Label4 Label value
<i>label4_lbl</i>	MPLS Label4 Label value
<i>label4_ttl</i>	MPLS Label4 Time to Live
<i>label4_ttl</i>	MPLS Label4 Time to Live
<i>label4_sbit</i>	MPLS Label4 End of Stack
<i>label4_sbit</i>	MPLS Label4 End of Stack
<i>label5_lbl</i>	MPLS Label5 Label value
<i>label5_lbl</i>	MPLS Label5 Label value
<i>label5_ttl</i>	MPLS Label5 Time to Live
<i>label5_ttl</i>	MPLS Label5 Time to Live
<i>label5_sbit</i>	MPLS Label5 End of Stack
<i>label5_sbit</i>	MPLS Label5 End of Stack

Command Mode

- /exec/elamtah/insel6

tahusd-set pkrw

```
tahusd-set pkrw { spare <spare> | cap_access <cap_access> | bounce <bounce> | dst_vnic_if <dst_vnic_if>
| src_vnic_if <src_vnic_if> | pif_block_type <pif_block_type> | epg_out <epg_out> | epg_in <epg_in> |
sup_qnum <sup_qnum> | sup_code <sup_code> | ecn_coi <ecn_coi> | ecn_cio <ecn_cio> | ttl_coi <ttl_coi>
| ttl_cio <ttl_cio> | qos_map_idx <qos_map_idx> | lat_update <lat_update> | lat_index <lat_index> | dclass
<dclass> | sclass <sclass> | ol_fb_metric <ol_fb_metric> | ol_fb_vpath <ol_fb_vpath> | ol_dre <ol_dre> |
ol_vpath <ol_vpath> | ol_dp <ol_dp> | ol_sp <ol_sp> | ol_e <ol_e> | ol_dl <ol_dl> | ol_lb <ol_lb> | ol_mark
<ol_mark> | ol_udp_sp <ol_udp_sp> | ol_ecn <ol_ecn> | nat_idx <nat_idx> | nat_vld <nat_vld> | dst_addr1
<dst_addr1> | dst_addr0 <dst_addr0> | adj_vld <adj_vld> | encap_l2_idx <encap_l2_idx> | encap_pcid
<encap_pcid> | encap_idx <encap_idx> | encap_vld <encap_vld> | my_pcid <my_pcid> | my_tep_idx
<my_tep_idx> | fwd_op <fwd_op> | orig_encap_type <orig_encap_type> | pkt_type <pkt_type> | len_type
<len_type> | cap_1588 <cap_1588> | pktid <pktid> | srcid <srcid> | tstamp <tstamp> | pktfmt1_inner
<pktfmt1_inner> | pktfmt1_l3 <pktfmt1_l3> | pktfmt1_l3_type <pktfmt1_l3_type> | pktfmt1_mpls_null
<pktfmt1_mpls_null> | pktfmt1_snap <pktfmt1_snap> | pktfmt1_cntag <pktfmt1_cntag> | pktfmt1_ttag
<pktfmt1_ttag> | pktfmt1_cmd_dgt <pktfmt1_cmd_dgt> | pktfmt1_cmd_sgt <pktfmt1_cmd_sgt> | pktfmt1_cdce
<pktfmt1_cdce> | pktfmt1_trill <pktfmt1_trill> | pktfmt1_qtag2 <pktfmt1_qtag2> | pktfmt1_qtag1
<pktfmt1_qtag1> | pktfmt1_qtag0 <pktfmt1_qtag0> | pktfmt1_ivntag <pktfmt1_ivntag> | pktfmt1_vntag
<pktfmt1_vntag> | pktfmt1_ce <pktfmt1_ce> | pktfmt1_ieth <pktfmt1_ieth> | pktfmt1_higig2 <pktfmt1_higig2>
| pktfmt0_inner <pktfmt0_inner> | pktfmt0_l3 <pktfmt0_l3> | pktfmt0_l3_type <pktfmt0_l3_type> |
pktfmt0_mpls_null <pktfmt0_mpls_null> | pktfmt0_snap <pktfmt0_snap> | pktfmt0_cntag <pktfmt0_cntag>
| pktfmt0_ttag <pktfmt0_ttag> | pktfmt0_cmd_dgt <pktfmt0_cmd_dgt> | pktfmt0_cmd_sgt <pktfmt0_cmd_sgt>
| pktfmt0_cdce <pktfmt0_cdce> | pktfmt0_trill <pktfmt0_trill> | pktfmt0_qtag2 <pktfmt0_qtag2> |
pktfmt0_qtag1 <pktfmt0_qtag1> | pktfmt0_qtag0 <pktfmt0_qtag0> | pktfmt0_ivntag <pktfmt0_ivntag> |
pktfmt0_vntag <pktfmt0_vntag> | pktfmt0_ce <pktfmt0_ce> | pktfmt0_ieth <pktfmt0_ieth> | pktfmt0_higig2
<pktfmt0_higig2> } +
```

Syntax Description

tahusd-set	Setup Trigger
pkrw	All pkrw fields
spare	Spare
<i>spare</i>	Spare
cap_access	Cap_Access
<i>cap_access</i>	Cap_Access
bounce	Bounce
<i>bounce</i>	Bounce
dst_vnic_if	Dst_Vnic_If
<i>dst_vnic_if</i>	Dst_Vnic_If
src_vnic_if	Src_Vnic_If
<i>src_vnic_if</i>	Src_Vnic_If

pif_block_type	Pif_Block_Type
<i>pif_block_type</i>	Pif_Block_Type
epg_out	Epg_Out
<i>epg_out</i>	Epg_Out
epg_in	Epg_In
<i>epg_in</i>	Epg_In
sup_qnum	Sup_Qnum
<i>sup_qnum</i>	Sup_Qnum
sup_code	Sup_Code
<i>sup_code</i>	Sup_Code
ecn_coi	Ecn_Coi
<i>ecn_coi</i>	Ecn_Coi
ecn_cio	Ecn_Cio
<i>ecn_cio</i>	Ecn_Cio
ttl_coi	Ttl_Coi
<i>ttl_coi</i>	Ttl_Coi
ttl_cio	Ttl_Cio
<i>ttl_cio</i>	Ttl_Cio
qos_map_idx	Qos_Map_Idx
<i>qos_map_idx</i>	Qos_Map_Idx
lat_update	Lat_Update
<i>lat_update</i>	Lat_Update
lat_index	Lat_Index
<i>lat_index</i>	Lat_Index
dclass	Dclass
<i>dclass</i>	Dclass
sclass	Sclass
<i>sclass</i>	Sclass
ol_fb_metric	Ol_Fb_Metric

<i>ol_fb_metric</i>	Ol_Fb_Metric
<i>ol_fb_vpath</i>	Ol_Fb_Vpath
<i>ol_fb_vpath</i>	Ol_Fb_Vpath
<i>ol_dre</i>	Ol_Dre
<i>ol_dre</i>	Ol_Dre
<i>ol_vpath</i>	Ol_Vpath
<i>ol_vpath</i>	Ol_Vpath
<i>ol_dp</i>	Ol_Dp
<i>ol_dp</i>	Ol_Dp
<i>ol_sp</i>	Ol_Sp
<i>ol_sp</i>	Ol_Sp
<i>ol_e</i>	Ol_E
<i>ol_e</i>	Ol_E
<i>ol_dl</i>	Ol_Dl
<i>ol_dl</i>	Ol_Dl
<i>ol_lb</i>	Ol_Lb
<i>ol_lb</i>	Ol_Lb
<i>ol_mark</i>	Ol_Mark
<i>ol_mark</i>	Ol_Mark
<i>ol_udp_sp</i>	Ol_Udp_Sp
<i>ol_udp_sp</i>	Ol_Udp_Sp
<i>ol_ecn</i>	Ol_Ecn
<i>ol_ecn</i>	Ol_Ecn
<i>nat_idx</i>	Nat_Idx
<i>nat_idx</i>	Nat_Idx
<i>nat_vld</i>	Nat_Vld
<i>nat_vld</i>	Nat_Vld
<i>dst_addr1</i>	Dst_Addr1
<i>dst_addr1</i>	Dst_Addr1

dst_addr0	Dst_Addr0
<i>dst_addr0</i>	Dst_Addr0
adj_vld	Adj_Vld
<i>adj_vld</i>	Adj_Vld
encap_l2_idx	Encap_L2_Idx
<i>encap_l2_idx</i>	Encap_L2_Idx
encap_pcid	Encap_Pcid
<i>encap_pcid</i>	Encap_Pcid
encap_idx	Encap_Idx
<i>encap_idx</i>	Encap_Idx
encap_vld	Encap_Vld
<i>encap_vld</i>	Encap_Vld
my_pcid	My_Pcid
<i>my_pcid</i>	My_Pcid
my_tep_idx	My_Tep_Idx
<i>my_tep_idx</i>	My_Tep_Idx
fwd_op	Fwd_Op
<i>fwd_op</i>	Fwd_Op
orig_encap_type	Orig_Encap_Type
<i>orig_encap_type</i>	Orig_Encap_Type
pkt_type	Pkt_Type
<i>pkt_type</i>	Pkt_Type
len_type	Len_Type
<i>len_type</i>	Len_Type
cap_1588	Cap_1588
<i>cap_1588</i>	Cap_1588
pktid	Pktid
<i>pktid</i>	Pktid
srcid	Srcid

<i>srcid</i>	Srcid
tstamp	Tstamp
<i>tstamp</i>	Tstamp
pktfmt1_inner	Pktfmt1_Inner
<i>pktfmt1_inner</i>	Pktfmt1_Inner
pktfmt1_l3	Pktfmt1_L3
<i>pktfmt1_l3</i>	Pktfmt1_L3
pktfmt1_l3_type	Pktfmt1_L3_Type
<i>pktfmt1_l3_type</i>	Pktfmt1_L3_Type
pktfmt1_mpls_null	Pktfmt1_Mpls_Null
<i>pktfmt1_mpls_null</i>	Pktfmt1_Mpls_Null
pktfmt1_snap	Pktfmt1_Snap
<i>pktfmt1_snap</i>	Pktfmt1_Snap
pktfmt1_cntag	Pktfmt1_Cntag
<i>pktfmt1_cntag</i>	Pktfmt1_Cntag
pktfmt1_ttag	Pktfmt1_Ttag
<i>pktfmt1_ttag</i>	Pktfmt1_Ttag
pktfmt1_cmd_dgt	Pktfmt1_Cmd_Dgt
<i>pktfmt1_cmd_dgt</i>	Pktfmt1_Cmd_Dgt
pktfmt1_cmd_sgt	Pktfmt1_Cmd_Sgt
<i>pktfmt1_cmd_sgt</i>	Pktfmt1_Cmd_Sgt
pktfmt1_cdce	Pktfmt1_Cdce
<i>pktfmt1_cdce</i>	Pktfmt1_Cdce
pktfmt1_trill	Pktfmt1_Trill
<i>pktfmt1_trill</i>	Pktfmt1_Trill
pktfmt1_qtag2	Pktfmt1_Qtag2
<i>pktfmt1_qtag2</i>	Pktfmt1_Qtag2
pktfmt1_qtag1	Pktfmt1_Qtag1
<i>pktfmt1_qtag1</i>	Pktfmt1_Qtag1

pktfmt1_qtag0	Pktfmt1_Qtag0
<i>pktfmt1_qtag0</i>	Pktfmt1_Qtag0
pktfmt1_ivntag	Pktfmt1_Ivntag
<i>pktfmt1_ivntag</i>	Pktfmt1_Ivntag
pktfmt1_vntag	Pktfmt1_Vntag
<i>pktfmt1_vntag</i>	Pktfmt1_Vntag
pktfmt1_ce	Pktfmt1_Ce
<i>pktfmt1_ce</i>	Pktfmt1_Ce
pktfmt1_ieth	Pktfmt1_Ieth
<i>pktfmt1_ieth</i>	Pktfmt1_Ieth
pktfmt1_higig2	Pktfmt1_Higig2
<i>pktfmt1_higig2</i>	Pktfmt1_Higig2
pktfmt0_inner	Pktfmt0_Inner
<i>pktfmt0_inner</i>	Pktfmt0_Inner
pktfmt0_l3	Pktfmt0_L3
<i>pktfmt0_l3</i>	Pktfmt0_L3
pktfmt0_l3_type	Pktfmt0_L3_Type
<i>pktfmt0_l3_type</i>	Pktfmt0_L3_Type
pktfmt0_mpls_null	Pktfmt0_Mpls_Null
<i>pktfmt0_mpls_null</i>	Pktfmt0_Mpls_Null
pktfmt0_snap	Pktfmt0_Snap
<i>pktfmt0_snap</i>	Pktfmt0_Snap
pktfmt0_cntag	Pktfmt0_Cntag
<i>pktfmt0_cntag</i>	Pktfmt0_Cntag
pktfmt0_ttag	Pktfmt0_Ttag
<i>pktfmt0_ttag</i>	Pktfmt0_Ttag
pktfmt0_cmd_dgt	Pktfmt0_Cmd_Dgt
<i>pktfmt0_cmd_dgt</i>	Pktfmt0_Cmd_Dgt
pktfmt0_cmd_sgt	Pktfmt0_Cmd_Sgt

<i>pktfmt0_cmd_sgt</i>	Pktfmt0_Cmd_Sgt
pktfmt0_cdce	Pktfmt0_Cdce
<i>pktfmt0_cdce</i>	Pktfmt0_Cdce
pktfmt0_trill	Pktfmt0_Trill
<i>pktfmt0_trill</i>	Pktfmt0_Trill
pktfmt0_qtag2	Pktfmt0_Qtag2
<i>pktfmt0_qtag2</i>	Pktfmt0_Qtag2
pktfmt0_qtag1	Pktfmt0_Qtag1
<i>pktfmt0_qtag1</i>	Pktfmt0_Qtag1
pktfmt0_qtag0	Pktfmt0_Qtag0
<i>pktfmt0_qtag0</i>	Pktfmt0_Qtag0
pktfmt0_ivntag	Pktfmt0_Ivntag
<i>pktfmt0_ivntag</i>	Pktfmt0_Ivntag
pktfmt0_vntag	Pktfmt0_Vntag
<i>pktfmt0_vntag</i>	Pktfmt0_Vntag
pktfmt0_ce	Pktfmt0_Ce
<i>pktfmt0_ce</i>	Pktfmt0_Ce
pktfmt0_ieth	Pktfmt0_Ieth
<i>pktfmt0_ieth</i>	Pktfmt0_Ieth
pktfmt0_higig2	Pktfmt0_Higig2
<i>pktfmt0_higig2</i>	Pktfmt0_Higig2

Command Mode

- /exec/elamtah/outsel0

tahusd-set pkrw

```
tahusd-set pkrw { spare <spare> | cap_access <cap_access> | bounce <bounce> | dst_vnic_if <dst_vnic_if>
| src_vnic_if <src_vnic_if> | pif_block_type <pif_block_type> | epg_out <epg_out> | epg_in <epg_in> |
sup_qnum <sup_qnum> | sup_code <sup_code> | ecn_coi <ecn_coi> | ecn_cio <ecn_cio> | ttl_coi <ttl_coi>
| ttl_cio <ttl_cio> | qos_map_idx <qos_map_idx> | lat_update <lat_update> | lat_index <lat_index> | dclass
<dclass> | sclass <sclass> | ol_fb_metric <ol_fb_metric> | ol_fb_vpath <ol_fb_vpath> | ol_dre <ol_dre> |
ol_vpath <ol_vpath> | ol_dp <ol_dp> | ol_sp <ol_sp> | ol_e <ol_e> | ol_dl <ol_dl> | ol_lb <ol_lb> | ol_mark
<ol_mark> | ol_udp_sp <ol_udp_sp> | ol_ecn <ol_ecn> | nat_idx <nat_idx> | nat_vld <nat_vld> | dst_addr1
<dst_addr1> | dst_addr0 <dst_addr0> | adj_vld <adj_vld> | encap_l2_idx <encap_l2_idx> | encap_pcid
<encap_pcid> | encap_idx <encap_idx> | encap_vld <encap_vld> | my_pcid <my_pcid> | my_tep_idx
<my_tep_idx> | fwd_op <fwd_op> | orig_encap_type <orig_encap_type> | pkt_type <pkt_type> | len_type
<len_type> | cap_1588 <cap_1588> | pktid <pktid> | srcid <srcid> | tstamp <tstamp> | pktfmt1_inner
<pktfmt1_inner> | pktfmt1_l3 <pktfmt1_l3> | pktfmt1_l3_type <pktfmt1_l3_type> | pktfmt1_mpls_null
<pktfmt1_mpls_null> | pktfmt1_snap <pktfmt1_snap> | pktfmt1_cntag <pktfmt1_cntag> | pktfmt1_ttag
<pktfmt1_ttag> | pktfmt1_cmd_dgt <pktfmt1_cmd_dgt> | pktfmt1_cmd_sgt <pktfmt1_cmd_sgt> | pktfmt1_cdce
<pktfmt1_cdce> | pktfmt1_trill <pktfmt1_trill> | pktfmt1_qtag2 <pktfmt1_qtag2> | pktfmt1_qtag1
<pktfmt1_qtag1> | pktfmt1_qtag0 <pktfmt1_qtag0> | pktfmt1_ivntag <pktfmt1_ivntag> | pktfmt1_vntag
<pktfmt1_vntag> | pktfmt1_ce <pktfmt1_ce> | pktfmt1_ieth <pktfmt1_ieth> | pktfmt1_higig2 <pktfmt1_higig2>
| pktfmt0_inner <pktfmt0_inner> | pktfmt0_l3 <pktfmt0_l3> | pktfmt0_l3_type <pktfmt0_l3_type> |
pktfmt0_mpls_null <pktfmt0_mpls_null> | pktfmt0_snap <pktfmt0_snap> | pktfmt0_cntag <pktfmt0_cntag>
| pktfmt0_ttag <pktfmt0_ttag> | pktfmt0_cmd_dgt <pktfmt0_cmd_dgt> | pktfmt0_cmd_sgt <pktfmt0_cmd_sgt>
| pktfmt0_cdce <pktfmt0_cdce> | pktfmt0_trill <pktfmt0_trill> | pktfmt0_qtag2 <pktfmt0_qtag2> |
pktfmt0_qtag1 <pktfmt0_qtag1> | pktfmt0_qtag0 <pktfmt0_qtag0> | pktfmt0_ivntag <pktfmt0_ivntag> |
pktfmt0_vntag <pktfmt0_vntag> | pktfmt0_ce <pktfmt0_ce> | pktfmt0_ieth <pktfmt0_ieth> | pktfmt0_higig2
<pktfmt0_higig2> } +
```

Syntax Description

tahusd-set	Setup Trigger
pkrw	All pkrw fields
spare	Spare
<i>spare</i>	Spare
cap_access	Cap_Access
<i>cap_access</i>	Cap_Access
bounce	Bounce
<i>bounce</i>	Bounce
dst_vnic_if	Dst_Vnic_If
<i>dst_vnic_if</i>	Dst_Vnic_If
src_vnic_if	Src_Vnic_If
<i>src_vnic_if</i>	Src_Vnic_If

pif_block_type	Pif_Block_Type
<i>pif_block_type</i>	Pif_Block_Type
epg_out	Epg_Out
<i>epg_out</i>	Epg_Out
epg_in	Epg_In
<i>epg_in</i>	Epg_In
sup_qnum	Sup_Qnum
<i>sup_qnum</i>	Sup_Qnum
sup_code	Sup_Code
<i>sup_code</i>	Sup_Code
ecn_coi	Ecn_Coi
<i>ecn_coi</i>	Ecn_Coi
ecn_cio	Ecn_Cio
<i>ecn_cio</i>	Ecn_Cio
ttl_coi	Ttl_Coi
<i>ttl_coi</i>	Ttl_Coi
ttl_cio	Ttl_Cio
<i>ttl_cio</i>	Ttl_Cio
qos_map_idx	Qos_Map_Idx
<i>qos_map_idx</i>	Qos_Map_Idx
lat_update	Lat_Update
<i>lat_update</i>	Lat_Update
lat_index	Lat_Index
<i>lat_index</i>	Lat_Index
dclass	Dclass
<i>dclass</i>	Dclass
sclass	Sclass
<i>sclass</i>	Sclass
ol_fb_metric	Ol_Fb_Metric

<i>ol_fb_metric</i>	Ol_Fb_Metric
<i>ol_fb_vpath</i>	Ol_Fb_Vpath
<i>ol_fb_vpath</i>	Ol_Fb_Vpath
<i>ol_dre</i>	Ol_Dre
<i>ol_dre</i>	Ol_Dre
<i>ol_vpath</i>	Ol_Vpath
<i>ol_vpath</i>	Ol_Vpath
<i>ol_dp</i>	Ol_Dp
<i>ol_dp</i>	Ol_Dp
<i>ol_sp</i>	Ol_Sp
<i>ol_sp</i>	Ol_Sp
<i>ol_e</i>	Ol_E
<i>ol_e</i>	Ol_E
<i>ol_dl</i>	Ol_Dl
<i>ol_dl</i>	Ol_Dl
<i>ol_lb</i>	Ol_Lb
<i>ol_lb</i>	Ol_Lb
<i>ol_mark</i>	Ol_Mark
<i>ol_mark</i>	Ol_Mark
<i>ol_udp_sp</i>	Ol_Udp_Sp
<i>ol_udp_sp</i>	Ol_Udp_Sp
<i>ol_ecn</i>	Ol_Ecn
<i>ol_ecn</i>	Ol_Ecn
<i>nat_idx</i>	Nat_Idx
<i>nat_idx</i>	Nat_Idx
<i>nat_vld</i>	Nat_Vld
<i>nat_vld</i>	Nat_Vld
<i>dst_addr1</i>	Dst_Addr1
<i>dst_addr1</i>	Dst_Addr1

dst_addr0	Dst_Addr0
<i>dst_addr0</i>	Dst_Addr0
adj_vld	Adj_Vld
<i>adj_vld</i>	Adj_Vld
encap_l2_idx	Encap_L2_Idx
<i>encap_l2_idx</i>	Encap_L2_Idx
encap_pcid	Encap_Pcid
<i>encap_pcid</i>	Encap_Pcid
encap_idx	Encap_Idx
<i>encap_idx</i>	Encap_Idx
encap_vld	Encap_Vld
<i>encap_vld</i>	Encap_Vld
my_pcid	My_Pcid
<i>my_pcid</i>	My_Pcid
my_tep_idx	My_Tep_Idx
<i>my_tep_idx</i>	My_Tep_Idx
fwd_op	Fwd_Op
<i>fwd_op</i>	Fwd_Op
orig_encap_type	Orig_Encap_Type
<i>orig_encap_type</i>	Orig_Encap_Type
pkt_type	Pkt_Type
<i>pkt_type</i>	Pkt_Type
len_type	Len_Type
<i>len_type</i>	Len_Type
cap_1588	Cap_1588
<i>cap_1588</i>	Cap_1588
pktid	Pktid
<i>pktid</i>	Pktid
srcid	Srcid

<i>srcid</i>	Srcid
tstmp	Tstmp
<i>tstmp</i>	Tstmp
pktfmt1_inner	Pktfmt1_Inner
<i>pktfmt1_inner</i>	Pktfmt1_Inner
pktfmt1_l3	Pktfmt1_L3
<i>pktfmt1_l3</i>	Pktfmt1_L3
pktfmt1_l3_type	Pktfmt1_L3_Type
<i>pktfmt1_l3_type</i>	Pktfmt1_L3_Type
pktfmt1_mpls_null	Pktfmt1_Mpls_Null
<i>pktfmt1_mpls_null</i>	Pktfmt1_Mpls_Null
pktfmt1_snap	Pktfmt1_Snap
<i>pktfmt1_snap</i>	Pktfmt1_Snap
pktfmt1_cntag	Pktfmt1_Cntag
<i>pktfmt1_cntag</i>	Pktfmt1_Cntag
pktfmt1_ttag	Pktfmt1_Ttag
<i>pktfmt1_ttag</i>	Pktfmt1_Ttag
pktfmt1_cmd_dgt	Pktfmt1_Cmd_Dgt
<i>pktfmt1_cmd_dgt</i>	Pktfmt1_Cmd_Dgt
pktfmt1_cmd_sgt	Pktfmt1_Cmd_Sgt
<i>pktfmt1_cmd_sgt</i>	Pktfmt1_Cmd_Sgt
pktfmt1_cdce	Pktfmt1_Cdce
<i>pktfmt1_cdce</i>	Pktfmt1_Cdce
pktfmt1_trill	Pktfmt1_Trill
<i>pktfmt1_trill</i>	Pktfmt1_Trill
pktfmt1_qtag2	Pktfmt1_Qtag2
<i>pktfmt1_qtag2</i>	Pktfmt1_Qtag2
pktfmt1_qtag1	Pktfmt1_Qtag1
<i>pktfmt1_qtag1</i>	Pktfmt1_Qtag1

pktfmt1_qtag0	Pktfmt1_Qtag0
<i>pktfmt1_qtag0</i>	Pktfmt1_Qtag0
pktfmt1_ivntag	Pktfmt1_Ivntag
<i>pktfmt1_ivntag</i>	Pktfmt1_Ivntag
pktfmt1_vntag	Pktfmt1_Vntag
<i>pktfmt1_vntag</i>	Pktfmt1_Vntag
pktfmt1_ce	Pktfmt1_Ce
<i>pktfmt1_ce</i>	Pktfmt1_Ce
pktfmt1_ieth	Pktfmt1_Ieth
<i>pktfmt1_ieth</i>	Pktfmt1_Ieth
pktfmt1_higig2	Pktfmt1_Higig2
<i>pktfmt1_higig2</i>	Pktfmt1_Higig2
pktfmt0_inner	Pktfmt0_Inner
<i>pktfmt0_inner</i>	Pktfmt0_Inner
pktfmt0_l3	Pktfmt0_L3
<i>pktfmt0_l3</i>	Pktfmt0_L3
pktfmt0_l3_type	Pktfmt0_L3_Type
<i>pktfmt0_l3_type</i>	Pktfmt0_L3_Type
pktfmt0_mpls_null	Pktfmt0_Mpls_Null
<i>pktfmt0_mpls_null</i>	Pktfmt0_Mpls_Null
pktfmt0_snap	Pktfmt0_Snap
<i>pktfmt0_snap</i>	Pktfmt0_Snap
pktfmt0_cntag	Pktfmt0_Cntag
<i>pktfmt0_cntag</i>	Pktfmt0_Cntag
pktfmt0_ttag	Pktfmt0_Ttag
<i>pktfmt0_ttag</i>	Pktfmt0_Ttag
pktfmt0_cmd_dgt	Pktfmt0_Cmd_Dgt
<i>pktfmt0_cmd_dgt</i>	Pktfmt0_Cmd_Dgt
pktfmt0_cmd_sgt	Pktfmt0_Cmd_Sgt

<i>pktfmt0_cmd_sgt</i>	Pktfmt0_Cmd_Sgt
pktfmt0_cdce	Pktfmt0_Cdce
<i>pktfmt0_cdce</i>	Pktfmt0_Cdce
pktfmt0_trill	Pktfmt0_Trill
<i>pktfmt0_trill</i>	Pktfmt0_Trill
pktfmt0_qtag2	Pktfmt0_Qtag2
<i>pktfmt0_qtag2</i>	Pktfmt0_Qtag2
pktfmt0_qtag1	Pktfmt0_Qtag1
<i>pktfmt0_qtag1</i>	Pktfmt0_Qtag1
pktfmt0_qtag0	Pktfmt0_Qtag0
<i>pktfmt0_qtag0</i>	Pktfmt0_Qtag0
pktfmt0_ivntag	Pktfmt0_Ivntag
<i>pktfmt0_ivntag</i>	Pktfmt0_Ivntag
pktfmt0_vntag	Pktfmt0_Vntag
<i>pktfmt0_vntag</i>	Pktfmt0_Vntag
pktfmt0_ce	Pktfmt0_Ce
<i>pktfmt0_ce</i>	Pktfmt0_Ce
pktfmt0_ieth	Pktfmt0_Ieth
<i>pktfmt0_ieth</i>	Pktfmt0_Ieth
pktfmt0_higig2	Pktfmt0_Higig2
<i>pktfmt0_higig2</i>	Pktfmt0_Higig2

Command Mode

- /exec/elamtah/outsel1

tahusd-set sb_info

```
tahusd-set sb_info { oslice_vec <oslice_vec> | srvc_oslice_vec <srvc_oslice_vec> | is_tcp <is_tcp> | srvc_class
<srvc_class> | cpu_oclass <cpu_oclass> | set_v <set_v> | set_idx <set_idx> | set_last <set_last> | bd <bd> |
src_is_l3_if <src_is_l3_if> | src_is_vpc_peer <src_is_vpc_peer> | is_my_tep <is_my_tep> | src_sh_group
<src_sh_group> | ftag <ftag> | rpf_fail <rpf_fail> | post_route_flood <post_route_flood> | pkt_hash <pkt_hash>
| bpdu <bpdu> | met0_v <met0_v> | met0_idx <met0_idx> | met0_last <met0_last> | met1_v <met1_v> |
met1_idx <met1_idx> | met1_last <met1_last> | ip_clen <ip_clen> | ip_clen <ip_clen> | sod_cap <sod_cap>
| sod_en <sod_en> } +
```

Syntax Description

tahusd-set	Setup Trigger
sb_info	All sb_info fields
oslice_vec	Oslice_Vec
<i>oslice_vec</i>	Oslice_Vec
srvc_oslice_vec	srvc_oslice_vec
<i>srvc_oslice_vec</i>	srvc_oslice_vec
is_tcp	is_tcp
<i>is_tcp</i>	is_tcp
srvc_class	srvc_class
<i>srvc_class</i>	srvc_class
cpu_oclass	cpu_oclass
<i>cpu_oclass</i>	cpu_oclass
set_v	set_v
<i>set_v</i>	set_v
set_idx	set_idx
<i>set_idx</i>	set_idx
set_last	set_last
<i>set_last</i>	set_last
bd	bd
<i>bd</i>	bd
src_is_l3_if	src_is_l3_if
<i>src_is_l3_if</i>	src_is_l3_if

src_is_vpc_peer	src_is_vpc_peer
<i>src_is_vpc_peer</i>	src_is_vpc_peer
is_my_tep	is_my_tep
<i>is_my_tep</i>	is_my_tep
src_sh_group	src_sh_group
<i>src_sh_group</i>	src_sh_group
ftag	ftag
<i>ftag</i>	ftag
rpf_fail	rpf_fail
<i>rpf_fail</i>	rpf_fail
post_route_flood	post_route_flood
<i>post_route_flood</i>	post_route_flood
pkt_hash	pkt_hash
<i>pkt_hash</i>	pkt_hash
bpdu	bpdu
<i>bpdu</i>	bpdu
met0_v	met0_v
<i>met0_v</i>	met0_v
met0_idx	met0_idx
<i>met0_idx</i>	met0_idx
met0_last	met0_last
<i>met0_last</i>	met0_last
met1_v	met1_v
<i>met1_v</i>	met1_v
met1_idx	met1_idx
<i>met1_idx</i>	met1_idx
met1_last	met1_last
<i>met1_last</i>	met1_last
ip_clen	ip_clen

<i>ip_clen</i>	ip_clen
sod_cap	sod_cap
<i>sod_cap</i>	sod_cap
sod_en	sod_en
<i>sod_en</i>	sod_en

Command Mode

- /exec/elamtah/outse12

tahusd-set sb_info

```
tahusd-set sb_info { oslice_vec <oslice_vec> | srvc_oslice_vec <srvc_oslice_vec> | is_tcp <is_tcp> | srvc_class
<srvc_class> | cpu_oclass <cpu_oclass> | set_v <set_v> | set_idx <set_idx> | set_last <set_last> | bd <bd> |
src_is_l3_if <src_is_l3_if> | src_is_vpc_peer <src_is_vpc_peer> | is_my_tep <is_my_tep> | src_sh_group
<src_sh_group> | ftag <ftag> | rpf_fail <rpf_fail> | post_route_flood <post_route_flood> | pkt_hash <pkt_hash>
| bpdu <bpdu> | met0_v <met0_v> | met0_idx <met0_idx> | met0_last <met0_last> | met1_v <met1_v> |
met1_idx <met1_idx> | met1_last <met1_last> | ip_clen <ip_clen> | ip_clen <ip_clen> | sod_cap <sod_cap>
| sod_en <sod_en> } +
```

Syntax Description

tahusd-set	Setup Trigger
sb_info	All sb_info fields
oslice_vec	Oslice_Vec
<i>oslice_vec</i>	Oslice_Vec
srvc_oslice_vec	srvc_oslice_vec
<i>srvc_oslice_vec</i>	srvc_oslice_vec
is_tcp	is_tcp
<i>is_tcp</i>	is_tcp
srvc_class	srvc_class
<i>srvc_class</i>	srvc_class
cpu_oclass	cpu_oclass
<i>cpu_oclass</i>	cpu_oclass
set_v	set_v
<i>set_v</i>	set_v
set_idx	set_idx
<i>set_idx</i>	set_idx
set_last	set_last
<i>set_last</i>	set_last
bd	bd
<i>bd</i>	bd
src_is_l3_if	src_is_l3_if
<i>src_is_l3_if</i>	src_is_l3_if

src_is_vpc_peer	src_is_vpc_peer
<i>src_is_vpc_peer</i>	src_is_vpc_peer
is_my_tep	is_my_tep
<i>is_my_tep</i>	is_my_tep
src_sh_group	src_sh_group
<i>src_sh_group</i>	src_sh_group
ftag	ftag
<i>ftag</i>	ftag
rpf_fail	rpf_fail
<i>rpf_fail</i>	rpf_fail
post_route_flood	post_route_flood
<i>post_route_flood</i>	post_route_flood
pkt_hash	pkt_hash
<i>pkt_hash</i>	pkt_hash
bpdu	bpdu
<i>bpdu</i>	bpdu
met0_v	met0_v
<i>met0_v</i>	met0_v
met0_idx	met0_idx
<i>met0_idx</i>	met0_idx
met0_last	met0_last
<i>met0_last</i>	met0_last
met1_v	met1_v
<i>met1_v</i>	met1_v
met1_idx	met1_idx
<i>met1_idx</i>	met1_idx
met1_last	met1_last
<i>met1_last</i>	met1_last
ip_clen	ip_clen

<i>ip_clen</i>	ip_clen
sod_cap	sod_cap
<i>sod_cap</i>	sod_cap
sod_en	sod_en
<i>sod_en</i>	sod_en

Command Mode

- /exec/elamtah/outsel0

tahusd-set sideband

```
tahusd-set sideband { cpu_oport <cpu_oport> | span_idx <span_idx> | ovector_idx <ovector_idx> | iclass
<iclass> | oclass <oclass> | opcode <opcode> | ecncapable <ecncapable> | nodrop <nodrop> | storefwd
<storefwd> | spantransit <spantransit> | rr <rr> | ecnmark <ecnmark> | gbw_tagged <gbw_tagged> | gbw_color
<gbw_color> | bnce <bnce> | spanslc <spanslc> | segrate <segrate> | mark <mark> } +
```

Syntax Description

tahusd-set	Setup Trigger
sideband	All sideband fields
cpu_oport	Cpu_Oport
<i>cpu_oport</i>	Cpu_Oport
span_idx	Span_Idx
<i>span_idx</i>	Span_Idx
ovector_idx	Ovector_Idx
<i>ovector_idx</i>	Ovector_Idx
iclass	Iclass
<i>iclass</i>	Iclass
oclass	Oclass
<i>oclass</i>	Oclass
opcode	Opcode
<i>opcode</i>	Opcode
ecncapable	Ecncapable
<i>ecncapable</i>	Ecncapable
nodrop	Nodrop
<i>nodrop</i>	Nodrop
storefwd	Storefwd
<i>storefwd</i>	Storefwd
spantransit	Spantransit
<i>spantransit</i>	Spantransit
rr	Rr

<i>rr</i>	Rr
ecnmark	Ecnmark
<i>ecnmark</i>	Ecnmark
gbw_tagged	Gbw_Tagged
<i>gbw_tagged</i>	Gbw_Tagged
gbw_color	Gbw_Color
<i>gbw_color</i>	Gbw_Color
bnce	Bnce
<i>bnce</i>	Bnce
spanslc	Spanslc
<i>spanslc</i>	Spanslc
segrate	Segrate
<i>segrate</i>	Segrate
mark	Mark
<i>mark</i>	Mark

Command Mode

- /exec/elamtah/outsel0

tahusd-set sideband

```
tahusd-set sideband { cpu_oport <cpu_oport> | span_idx <span_idx> | ovector_idx <ovector_idx> | iclass
<iclass> | oclass <oclass> | opcode <opcode> | ecncapable <ecncapable> | nodrop <nodrop> | storefwd
<storefwd> | spantransit <spantransit> | rr <rr> | ecnmark <ecnmark> | gbw_tagged <gbw_tagged> | gbw_color
<gbw_color> | bnce <bnce> | spanslc <spanslc> | segrate <segrate> | mark <mark> } +
```

Syntax Description

tahusd-set	Setup Trigger
sideband	All sideband fields
cpu_oport	Cpu_Oport
<i>cpu_oport</i>	Cpu_Oport
span_idx	Span_Idx
<i>span_idx</i>	Span_Idx
ovector_idx	Ovector_Idx
<i>ovector_idx</i>	Ovector_Idx
iclass	Iclass
<i>iclass</i>	Iclass
oclass	Oclass
<i>oclass</i>	Oclass
opcode	Opcode
<i>opcode</i>	Opcode
ecncapable	Ecncapable
<i>ecncapable</i>	Ecncapable
nodrop	Nodrop
<i>nodrop</i>	Nodrop
storefwd	Storefwd
<i>storefwd</i>	Storefwd
spantransit	Spantransit
<i>spantransit</i>	Spantransit
rr	Rr

<i>rr</i>	Rr
ecnmark	Ecnmark
<i>ecnmark</i>	Ecnmark
gbw_tagged	Gbw_Tagged
<i>gbw_tagged</i>	Gbw_Tagged
gbw_color	Gbw_Color
<i>gbw_color</i>	Gbw_Color
bnce	Bnce
<i>bnce</i>	Bnce
spanslc	Spanslc
<i>spanslc</i>	Spanslc
segrate	Segrate
<i>segrate</i>	Segrate
mark	Mark
<i>mark</i>	Mark

Command Mode

- /exec/elamtah/outsell

tahusd-set sideband

```
tahusd-set sideband { cpu_oport <cpu_oport> | span_idx <span_idx> | ovector_idx <ovector_idx> | iclass
<iclass> | oclass <oclass> | opcode <opcode> | ecncapable <ecncapable> | nodrop <nodrop> | storefwd
<storefwd> | spantransit <spantransit> | rr <rr> | ecnmark <ecnmark> | gbw_tagged <gbw_tagged> | gbw_color
<gbw_color> | bnce <bnce> | spanslc <spanslc> | segrate <segrate> | mark <mark> } +
```

Syntax Description

tahusd-set	Setup Trigger
sideband	All sideband fields
cpu_oport	Cpu_Oport
<i>cpu_oport</i>	Cpu_Oport
span_idx	Span_Idx
<i>span_idx</i>	Span_Idx
ovector_idx	Ovector_Idx
<i>ovector_idx</i>	Ovector_Idx
iclass	Iclass
<i>iclass</i>	Iclass
oclass	Oclass
<i>oclass</i>	Oclass
opcode	Opcode
<i>opcode</i>	Opcode
ecncapable	Ecncapable
<i>ecncapable</i>	Ecncapable
nodrop	Nodrop
<i>nodrop</i>	Nodrop
storefwd	Storefwd
<i>storefwd</i>	Storefwd
spantransit	Spantransit
<i>spantransit</i>	Spantransit
rr	Rr

<i>rr</i>	Rr
ecnmark	Ecnmark
<i>ecnmark</i>	Ecnmark
gbw_tagged	Gbw_Tagged
<i>gbw_tagged</i>	Gbw_Tagged
gbw_color	Gbw_Color
<i>gbw_color</i>	Gbw_Color
bnce	Bnce
<i>bnce</i>	Bnce
spanslc	Spanslc
<i>spanslc</i>	Spanslc
segrate	Segrate
<i>segrate</i>	Segrate
mark	Mark
<i>mark</i>	Mark

Command Mode

- /exec/elamtah/outsel2

tahusd-set stats

```
tahusd-set stats { vld0 <vld0> | atomic0 <atomic0> | mode0 <mode0> | index0 <index0> | vld1 <vld1> |
atomic1 <atomic1> | mode1 <mode1> | index1 <index1> | vld2 <vld2> | atomic2 <atomic2> | mode2 <mode2> |
index2 <index2> | vld3 <vld3> | atomic3 <atomic3> | mode3 <mode3> | index3 <index3> | vld4 <vld4> |
atomic4 <atomic4> | mode4 <mode4> | index4 <index4> | vld5 <vld5> | atomic5 <atomic5> | mode5 <mode5> |
index5 <index5> | vld6 <vld6> | atomic6 <atomic6> | mode6 <mode6> | index6 <index6> | vld7 <vld7> |
atomic7 <atomic7> | mode7 <mode7> | index7 <index7> } +
```

Syntax Description

tahusd-set	Setup Trigger
stats	All stats fields
vld0	Vld0
<i>vld0</i>	Vld0
atomic0	Atomic0
<i>atomic0</i>	Atomic0
mode0	Mode0
<i>mode0</i>	Mode0
index0	Index0
<i>index0</i>	Index0
vld1	Vld1
<i>vld1</i>	Vld1
atomic1	Atomic1
<i>atomic1</i>	Atomic1
mode1	Mode1
<i>mode1</i>	Mode1
index1	Index1
<i>index1</i>	Index1
vld2	Vld2
<i>vld2</i>	Vld2
atomic2	Atomic2
<i>atomic2</i>	Atomic2

mode2	Mode2
<i>mode2</i>	Mode2
index2	Index2
<i>index2</i>	Index2
vld3	Vld3
<i>vld3</i>	Vld3
atomic3	Atomic3
<i>atomic3</i>	Atomic3
mode3	Mode3
<i>mode3</i>	Mode3
index3	Index3
<i>index3</i>	Index3
vld4	Vld4
<i>vld4</i>	Vld4
atomic4	Atomic4
<i>atomic4</i>	Atomic4
mode4	Mode4
<i>mode4</i>	Mode4
index4	Index4
<i>index4</i>	Index4
vld5	Vld5
<i>vld5</i>	Vld5
atomic5	Atomic5
<i>atomic5</i>	Atomic5
mode5	Mode5
<i>mode5</i>	Mode5
index5	Index5
<i>index5</i>	Index5
vld6	Vld6

<i>vld6</i>	Vld6
<i>atomic6</i>	Atomic6
<i>atomic6</i>	Atomic6
<i>mode6</i>	Mode6
<i>mode6</i>	Mode6
<i>index6</i>	Index6
<i>index6</i>	Index6
<i>vld7</i>	Vld7
<i>vld7</i>	Vld7
<i>atomic7</i>	Atomic7
<i>atomic7</i>	Atomic7
<i>mode7</i>	Mode7
<i>mode7</i>	Mode7
<i>index7</i>	Index7
<i>index7</i>	Index7

Command Mode

- /exec/elamtah/outse12

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/insel9

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/insel6

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/insel7

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/insel8

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/insel10

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/insel19

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/outsel0

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/outsell

tahusd-start

tahusd-start

Syntax Description

tahusd-start	Start Trigger
--------------	---------------

Command Mode

- /exec/elamtah/outsel2

tahusd-vxlan-parse

tahusd-vxlan-parse { enable | disable | status } +

Syntax Description

tahusd-vxlan-parse	Vxlan-parse
enable	enable Vxlan-parse
disable	disable Vxlan-parse
status	Staus of Vxlan-parse

Command Mode

- /exec/elamtah/insel7

tahusd-vxlan-parse

tahusd-vxlan-parse { enable | disable | status } +

Syntax Description

tahusd-vxlan-parse	Vxlan-parse
enable	enable Vxlan-parse
disable	disable Vxlan-parse
status	Staus of Vxlan-parse

Command Mode

- /exec/elamtah/inse18

tahusd-vxlan-parse

tahusd-vxlan-parse { enable | disable | status } +

Syntax Description

tahusd-vxlan-parse	Vxlan-parse
enable	enable Vxlan-parse
disable	disable Vxlan-parse
status	Staus of Vxlan-parse

Command Mode

- /exec/elamtah/inse19

tahusd-vxlan-parse

tahusd-vxlan-parse { enable | disable | status } +

Syntax Description

tahusd-vxlan-parse	Vxlan-parse
enable	enable Vxlan-parse
disable	disable Vxlan-parse
status	Staus of Vxlan-parse

Command Mode

- /exec/elamtah/insel10

tail

tail <uri0> [<i1>]

Syntax Description

tail	Display the last part of a file
<i>uri0</i>	Filename to be displayed
<i>i1</i>	(Optional) Enter the number of lines to be displayed

Command Mode

- /exec

tap-aggregation flow-deduplication

[no] tap-aggregation flow-deduplication

Syntax Description

no	(Optional) Negate the command
tap-aggregation	Tap-Aggregation
flow-deduplication	Enable flow-deduplication feature

Command Mode

- /exec/configure

tar

```
tar { create <new-archive-file> [ gz-compress | bz2-compress | uncompressed ] + [ remove | absolute | verbose ] + <files> + | append <archive-file> [ remove | absolute | verbose ] + <files> + | extract <archive-file> [ screen | to <dest-dir> | keep-old | verbose ] + | list <archive-file> }
```

Syntax Description

tar	archiving operations
create	create an archive (merge several files together)
append	append some files to an existing archive
extract	extract files from archive (unmerge them)
verbose	(Optional) display files while merging/extracting
gz-compress	(Optional) compress archive with gzip, the default -> .tar.gz
bz2-compress	(Optional) compress archive with bzip2 -> .tar.bz2
uncompressed	(Optional) dont compress archive -> .tar
remove	(Optional) remove files after adding them to the archive
absolute	(Optional) don't strip leading '/'s from file names
keep-old	(Optional) don't replace existing files when extracting
screen	(Optional) extract files to screen
list	shows the list of files which are part of the archive
<i>new-archive-file</i>	the name of the archive (extension will be added if none of tar/tgz/tar.gz/tar.bz2/tbz2/tar.Z specified)
<i>archive-file</i>	the name of the archive (extension will be added if none of tar/tgz/tar.gz/tar.bz2/tbz2/tar.Z specified)
<i>files</i>	name of file to be added into archive
to	(Optional) extract to specific directory (default is bootflash)
<i>dest-dir</i>	(Optional) destination dir where to extract to (created if not exist), default is bootflash

Command Mode

- /exec

tclsh

tclsh <file> [<args>] +

Syntax Description

tclsh	source tclsh script
<i>file</i>	the file to run
<i>args</i>	(Optional) args to tcl script

Command Mode

- /exec

tclsh

tclsh

Syntax Description

tclsh	Execute tclsh
-------	---------------

Command Mode

- /exec

tcp-connect

```
[no] tcp-connect { <hostname> | <ip-address> | <ipv6-address> } <dest-port> { [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> | <source-ipv6-address> } ] [ source-port <src-port> ] } +
```

Syntax Description

<i>control</i>	(Optional) disable
<i>source-ip</i>	(Optional) <source-ip-hostname>
no	(Optional)
tcp-connect	TCP Connect Operation
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>dest-port</i>	Port Number (Recommended port range between 1025-65534)
enable	(Optional) Enable control packets exchange (default)
disable	(Optional) Disable control packets exchange
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
source-port	(Optional) Source Port
<i>src-port</i>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

telemetry

[no] telemetry

Syntax Description

no	(Optional) Negate a command or set its default
telemetry	Configure telemetry

Command Mode

- /exec/configure

telemetry trace redirect telemetry trace

telemetry trace { redirect-to-file | redirect-to-tracebuf } | telemetry trace { tm-errors | tm-events | tm-logs } { enable | disable | clear }

Syntax Description

telemetry	Telemetry
trace	Telemetry trace buffer
redirect-to-file	Redirect trace output to file
redirect-to-tracebuf	Redirect trace output to tracebuffer
tm-errors	Error trace buffer
tm-events	Event trace buffer
tm-logs	Log trace buffer
enable	Enable trace buffers
disable	Disable trace buffers
clear	Clear trace buffers

Command Mode

- /exec

telnet

```
{ telnet { <so> | <host> } } [ <i0> ] [ [ source { <host_src> | <interface> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] ]
```

Syntax Description

telnet	Telnet to another system
<i>so</i>	Enter hostname
<i>host</i>	Enter a valid IPv4 address
source	(Optional) Set source address in IPv4 header
<i>host_src</i>	(Optional) Set IPV4 address as source
<i>interface</i>	(Optional) Set interface to send IPv4 packet
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>i0</i>	(Optional) Enter the port number

Command Mode

- /exec

telnet6

```
{ telnet6 { <s1> | <host1> } } [ <i0> ] [ [ source { <host1_src> | <interface> } ] [ vrf { <vrf-name> | <vrf-known-name> } ] ]
```

Syntax Description

telnet6	Telnet6 to another system using IPv6 addressing
<i>s1</i>	Enter hostname
source	(Optional) Set source address in IPv6 header
<i>interface</i>	(Optional) Set interface to send IPv6 packet
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>i0</i>	(Optional) Enter the port number

Command Mode

- /exec

telnet login-attempts

```
{ { telnet login-attempts <d0> } | { no telnet login-attempts [ <d0> ] } }
```

Syntax Description

no	Negate a command or set its defaults
telnet	telnet login
login-attempts	Set maximum login attempts
<i>d0</i>	Specify max-attempt number

Command Mode

- /exec/configure/

template

template <res-mgr-template-known-name-all>

Syntax Description

template	Change the template for this vdc
<i>res-mgr-template-known-name-all</i>	Resource template for this vdc

Command Mode

- /exec/configure/vdc

template data timeout

{ [no] template data timeout <time> | no template data timeout }

Syntax Description

template	Version 9 Template
data	Data
timeout	Template Data resend time
<i>time</i>	Time in seconds

Command Mode

- /exec/configure/nfm-exporter-v9

template peer-policy

[no] template peer-policy <peer-policy-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
template	Enter template command mode
peer-policy	Template configuration for policy parameters
<i>peer-policy-template-name</i>	Name of peer-policy template

Command Mode

- /exec/configure/router-bgp

template peer-session

[no] template peer-session <peer-session-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
template	Enter template command mode
peer-session	Template configuration for session parameters
<i>peer-session-template-name</i>	Name of peer-session template

Command Mode

- /exec/configure/router-bgp

template peer

[no] template peer <peer-template-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
template	Enter template command mode
peer	Template configuration for peer parameters
<i>peer-template-name</i>	Neighbor template name

Command Mode

- /exec/configure/router-bgp

terminal alias

[no] terminal alias [persist] [<alias-name> [<command>]]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
alias	show aliases (if no arguments) create 'exec' aliases (not persistent). Persistent aliases are in config mode, see 'cli alias
persist	(Optional) add terminal alias to <username>.rc.cli file (auto-executed at login time)
<i>alias-name</i>	(Optional) Name of the alias. (if last argument: shows the value of that alias) Command lines can start with an alias and it will be expanded before parsing. An alias can also be used right after a pipe. The substitution text can contain things like '\$1 \$2' and those \$<number> will be substituted by correspondingly numbered token from the command line starting the counting after the alias.
<i>command</i>	(Optional) Value of the alias (what the alias will be substituted with)

Command Mode

- /exec

terminal ask-on-term

[no] terminal ask-on-term <term>

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
ask-on-term	ask backend driven question on given terminal
<i>term</i>	the terminal (/dev/ptsX)

Command Mode

- /exec

terminal color

[no] terminal color [persist]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
color	enable colorization of prompt(green if last command ok, red if error), command line (blue), output (default color)
persist	(Optional) add command to <username>.rc.cli file (auto-execed at login time)

Command Mode

- /exec

terminal context management

[no] terminal context management

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
context	set the vrf context
management	vrf context management

Command Mode

- /exec

terminal deep-help

[no] terminal deep-help

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
deep-help	enable cli syntax and list

Command Mode

- /exec

terminal dont-ask

[no] terminal dont-ask [persist]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
dont-ask	Don't prompt for confirmation, do what the command indicates
persist	(Optional) add command to <username>.rc.cli file (auto-execed at login time)

Command Mode

- /exec

terminal edit-mode vi

[no] terminal edit-mode vi [persist]

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
edit-mode	set command line edition keys (vi or emacs emacs is default)
vi	edit like in vi by default in insert-mode, use ~ for command-mode
persist	(Optional) add command to <username>.rc.cli file (auto-execed at login time)

Command Mode

- /exec

terminal event-manager bypass

terminal [<noarg>] event-manager bypass

Syntax Description

terminal	Set terminal line parameters
<i>noarg</i>	(Optional)
event-manager	Event manager cli event
bypass	Bypass event manager cli event publish

Command Mode

- /exec

terminal history no-exec-in-config

[no] terminal history no-exec-in-config

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
history	configure terminal history properties
no-exec-in-config	don't recall exec commands while in config mode

Command Mode

- /exec

terminal history no-exec-in-config

[no] terminal history no-exec-in-config

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
history	configure terminal history properties
no-exec-in-config	don't recall exec commands while in config mode

Command Mode

- /exec

terminal history no-exec-in-config

[no] terminal history no-exec-in-config

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
history	configure terminal history properties
no-exec-in-config	don't recall exec commands while in config mode

Command Mode

- /exec

terminal home

terminal home

Syntax Description

terminal	Set terminal line parameters
home	go back to line 1 position 1 without erasing the screen (to be used in cli command loops)

Command Mode

- /exec

terminal length

terminal length <i0>

Syntax Description

terminal	Set terminal line parameters
length	Set number of lines on a screen
<i>i0</i>	Number of lines on screen (0 for no pausing)

Command Mode

- /exec

terminal length

terminal length <i0>

Syntax Description

terminal	Set terminal line parameters
length	Set number of lines on a screen
<i>i0</i>	Number of lines on screen (0 for no pausing)

Command Mode

- /exec/configure/console

terminal lock

```
terminal lock [ mdp ] [ <i0> ]
```

Syntax Description

terminal	Set terminal line parameters
lock	Locks the CLI Config mode
mdp	(Optional) Locks Model Driven Programmability sessions
<i>i0</i>	(Optional) Enter terminal lock timeout in seconds

Command Mode

- /exec

terminal log-all

[no] terminal log-all

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Configure terminal settings
log-all	Accounting log all commands including the show commands

Command Mode

- /exec/configure

terminal log-format compact

[no] terminal log-format compact

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
log-format	Set the format for eventlogs
compact	show logs with minimal information

Command Mode

- /exec

terminal no

terminal no { length | terminal-type | width }

Syntax Description

terminal	Set terminal line parameters
no	Negate a command or set its defaults
length	Set number of lines on a screen
terminal-type	Set the terminal type
width	Set width of the display terminal

Command Mode

- /exec

terminal output xml

[no] terminal output xml

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
output	how output of show commands should be formatted
xml	xml output

Command Mode

- /exec

terminal output xml

[no] terminal output xml

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
output	how output of show commands should be formatted
xml	xml output

Command Mode

- /exec

terminal output xml

[no] terminal output xml <namespace-version>

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
output	how output of show commands should be formatted
xml	xml output
<i>namespace-version</i>	enter the version for xml output

Command Mode

- /exec

terminal password

terminal password <password> | no terminal password [<password>]

Syntax Description

no	Negate a command or set its defaults
terminal	Set terminal line parameters
password	set a password to be used in copy scp/ftp commands use online help on the argument to disable echo so you don't need to type control-x-e twice (to toggle echo), echo will be re-enabled after carriage-return
<i>password</i>	Enter the password (online help that you just did disabled echo so type your password and press return

Command Mode

- /exec

terminal prompt

[no] terminal prompt [fix [<name>] [with-cr] | mode | { fq-command | command } | status | exec-time | time | no-echo] +

Syntax Description

no	(Optional) Negate a command or set its defaults
terminal	Set terminal line parameters
prompt	configure how the prompt should look like
fix	(Optional) set the prompt to a fix name (default _prompt_)
with-cr	(Optional) add a carriage return at the end of the prompt
<i>name</i>	(Optional) name to use as a fix prompt
mode	(Optional) include the cli mode name (ex: config-if) into the prompt
fq-command	(Optional) include the fully qualified command just executed (formatted like in accounting log)
command	(Optional) include the previous command (not including the mode and mode instance)
status	(Optional) include the status of previous command (0=success)
exec-time	(Optional) include the time it took to execute previous command
time	(Optional) include the time when prompt was printed
no-echo	(Optional) dont echo the typed characters

Command Mode

- /exec

terminal redirection-mode

terminal redirection-mode <mode>

Syntax Description

terminal	Set terminal line parameters
redirection-mode	Set the redirection mode
<i>mode</i>	

Command Mode

- /exec

terminal session-timeout

terminal session-timeout <*i0*>

Syntax Description

terminal	Set terminal line parameters
session-timeout	Set session timeout
<i>i0</i>	Enter timeout in minutes, 0 to disable

Command Mode

- /exec

terminal sticky-mode

terminal [<noarg>] sticky-mode

Syntax Description

terminal	Set terminal line parameters
<i>noarg</i>	(Optional)
sticky-mode	Search for the command match in current mode only

Command Mode

- /exec

terminal terminal-type

terminal terminal-type <s0>

Syntax Description

terminal	Set terminal line parameters
terminal-type	Set the terminal type
s0	Terminal type

Command Mode

- /exec

terminal time

terminal time [<name>] [delta]

Syntax Description

terminal	Set terminal line parameters
time	save the current time under a variable
<i>name</i>	(Optional) the variable to store the time in
delta	(Optional) print the delta time to the currently saved time value

Command Mode

- /exec

terminal tree-update

terminal tree-update

Syntax Description

terminal	Set terminal line parameters
tree-update	Updates the main parse tree

Command Mode

- /exec

terminal unlock

terminal unlock

Syntax Description

terminal	Set terminal line parameters
unlock	Force unlocking of the CLI config mode

Command Mode

- /exec

terminal verify-only

terminal [<noarg>] verify-only [username <user>]

Syntax Description

terminal	Set terminal line parameters
<i>noarg</i>	(Optional)
verify-only	Verify command and do not execute
username	(Optional) Username for aaa authorization
<i>user</i>	(Optional) Username for aaa authorization

Command Mode

- /exec

terminal width

terminal width <*iO*>

Syntax Description

terminal	Set terminal line parameters
width	Set width of the display terminal
<i>iO</i>	Number of characters on a screen line

Command Mode

- /exec

terminal width

terminal width <*i0*>

Syntax Description

terminal	Set terminal line parameters
width	Set width of the display terminal
<i>i0</i>	Number of characters on a screen line

Command Mode

- /exec/configure/console

threshold-percent

```
threshold-percent { percent-threshold { percentup <up-percentage> [ percentdown<down-percentage> ] |
percentdown<down-percentage> [ percentup <up-percentage> ] } } | no threshold-percent { percent-threshold
}
```

Syntax Description

no	Negate a command or set its defaults
threshold-percent	Threshold parameters
percent-threshold	Percentage threshold
percentup	Up threshold
<i>up-percentage</i>	Up threshold percentage

Command Mode

- /exec/configure/tr-list-thrp

threshold

[no] threshold <thresh-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
threshold	Threshold for LPSS SHM usage
<i>thresh-val</i>	Maximum percentage of SHM usage allowed

Command Mode

- /exec/configure/lpss-shm-mon

threshold

{ { no | default } threshold | threshold <milliseconds> }

Syntax Description

no	
default	Set a command to its defaults
threshold	Operation threshold
<i>milliseconds</i>	Millisecond threshold value

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

threshold high low

[no] threshold high <highPercent> low <lowPercent>

Syntax Description

no	(Optional) Negate a command or set its defaults
threshold	threshold
high	minimum percentage of active endpoints to be declared UP
<i>highPercent</i>	percentage
low	maximum percentage of active endpoints to be declared DOWN
<i>lowPercent</i>	percentage

Command Mode

- /exec/configure/epbr/svc

time-range

[no] time-range <time_range_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
time-range	Define time range entries
<i>time_range_name</i>	Time range name

Command Mode

- /exec/configure

time-stamp hpt

[no] time-stamp hpt

Syntax Description

no	(Optional) Negate a command or set its defaults
time-stamp	timestamping
hpt	high precision timestamping

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

time-stamp hpt device-id

time-stamp hpt device-id <id> | no time-stamp hpt device-id

Syntax Description

no	Negate a command or set its defaults
time-stamp	timestamping
hpt	high precision timestamping
device-id	configure device id for hpt trailer
<i>id</i>	device id in the range [0-255], default 0

Command Mode

- /exec/configure

time-stamp hpt utc-offset

time-stamp hpt utc-offset | no time-stamp hpt utc-offset

Syntax Description

no	Negate a command or set its defaults
time-stamp	timestamping
hpt	high precision timestamping
utc-offset	Enable UTC Offset correction for HPT

Command Mode

- /exec/configure

time

| time

Syntax Description

	Pipe command output to filter
time	Time taken by the prior command

Command Mode

- /output

timeout

{ no timeout | timeout <value> }

Syntax Description

no	
timeout	Inactivity timeout period
<i>value</i>	Session inactivity timeout in seconds (default 900)

Command Mode

- /exec/configure/config-twamp-ref

timeout

{ { no | default } timeout |

Syntax Description

no	
default	Set a command to its defaults
timeout	Timeout of an operation

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho
/exec/configure/ip-sla/http

timeout

{ timeout <timeout> }

Syntax Description

timeout	Specify
<i>timeout</i>	Timeout

Command Mode

- /exec/configure/configngoamconnectcheck

timer

timer <value> | no timer

Syntax Description

no	Negate a command or set its defaults
timer	Configure Bundle timer value
<i>value</i>	Hello timer value

Command Mode

- /exec/configure/anycast

timer

[no] timer <cap-timer-usec>

Syntax Description

no	(Optional) Negate the command
timer	Configure Packet Drop Timer parameters
<i>cap-timer-usec</i>	

Command Mode

- /exec/configure/pkt-drop

timer inactivity

{ no timer inactivity | timer inactivity <value> }

Syntax Description

no	
timer	Timer configurations
inactivity	Inactivity timer
<i>value</i>	Max number of inactive seconds (default 900)

Command Mode

- /exec/configure/config-twamp-srvr

timers

timers <keepalive-interval> <hold-time> | { no | default } timers [<keepalive-interval> <hold-time>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
timers	Configure keepalive and hold timers
<i>keepalive-interval</i>	Keepalive interval (seconds)
<i>hold-time</i>	Holdtime (seconds)

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

timers

```
timers { <hello-time> { <hold-time> | msec-hold <msec-hold> } | msec-hello <msec-hello> { <hold-time> | msec-hold <msec-hold> } } | no timers
```

Syntax Description

no	Negate a command or set its defaults
timers	Hello and hold timers
<i>hello-time</i>	Hello interval in seconds
<i>hold-time</i>	Hold time in seconds
msec-hold	Specify hold interval in milliseconds
<i>msec-hold</i>	Hold interval in milliseconds
msec-hello	Specify hello interval in milliseconds
<i>msec-hello</i>	Hello interval in milliseconds

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

timers active-time

[no] timers active-time [<max-active-time> | disabled]

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Set EIGRP timers
active-time	EIGRP time limit for active state
<i>max-active-time</i>	(Optional) EIGRP active-state time limit in minutes
disabled	(Optional) disable EIGRP time limit for active state

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

timers advertise

[no] timers advertise | timers advertise <val>

Syntax Description

no	Negate a command or set its defaults
timers	Set the VRRP timers
advertise	Set the advertise timer
<i>val</i>	Advertisement interval in milliseconds

Command Mode

- /exec/configure/if-eth-any/vrrpv3

timers basic

timers basic <update> <invalid> <holddown> <garbage> | no timers basic [<update> <invalid> <holddown> <garbage>]

Syntax Description

no	Negate a command or set its defaults
timers	RIP set timers
basic	RIP set basic timers
<i>update</i>	RIP update period
<i>invalid</i>	RIP route timeout period
<i>holddown</i>	RIP route holddown period
<i>garbage</i>	RIP route garbage period

Command Mode

- /exec/configure/router-rip/router-rip-af-common /exec/configure/router-rip/router-rip-vrf-af-common

timers bestpath-defer maximum

[no] timers bestpath-defer <bestpath-defer-time> maximum <bestpath-defer-time-max>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Configure bgp related timers
bestpath-defer	Configure bestpath defer timer value for batch prefix processing
<i>bestpath-defer-time</i>	Bestpath defer time (mseconds)
maximum	Configure bestpath defer timer maximum value
<i>bestpath-defer-time-max</i>	Maximum bestpath defer time (mseconds)

Command Mode

- /exec/configure/router-bgp/router-bgp-af

timers bestpath-limit

timers bestpath-limit <bestpath-timeout> [always] | no timers bestpath-limit [<bestpath-timeout>]

Syntax Description

no	Negate a command or set its defaults
timers	Configure bgp related timers
bestpath-limit	Configure timeout for first bestpath after restart
<i>bestpath-timeout</i>	Bestpath timeout (seconds)
always	(Optional) Configure update-delay-always option

Command Mode

- /exec/configure/router-bgp/vrf-cmds

timers bgp

[no] timers bgp <keepalive-interval> <hold-time>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Configure bgp related timers
bgp	Configure different bgp keepalive and holdtimes
<i>keepalive-interval</i>	Keepalive interval (seconds)
<i>hold-time</i>	Holdtime (seconds)

Command Mode

- /exec/configure/router-bgp/vrf-cmds

timers lsa-arrival

```
{ { timers lsa-arrival <interval> } | { no timers lsa-arrival [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-arrival	Minimum interval between arrival of a LSA
<i>interval</i>	Interval value (millisecond)

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

timers lsa-arrival

```
{ { timers lsa-arrival <interval> } | { no timers lsa-arrival [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-arrival	Minimum interval between arrival of a LSA
<i>interval</i>	Interval value (milliseconds)

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

timers lsa-group-pacing

{ { timers lsa-group-pacing <interval> } | { no timers lsa-group-pacing [<interval>] } }

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-group-pacing	LSA group refresh/maxage interval
<i>interval</i>	Interval value (seconds)

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

timers lsa-group-pacing

```
{ { timers lsa-group-pacing <interval> } | { no timers lsa-group-pacing [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
lsa-group-pacing	LSA group refresh/maxage interval
<i>interval</i>	Interval value (seconds)

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

timers nsf converge

[no] timers nsf converge <converge-interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Set EIGRP timers
nsf	EIGRP NSF timer
converge	EIGRP time limit for convergence after switchover
<i>converge-interval</i>	Seconds

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

timers nsf route-hold

[no] timers nsf route-hold <hold-interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Set EIGRP timers
nsf	EIGRP NSF timer
route-hold	EIGRP hold time for routes learned from nsf peer
<i>hold-interval</i>	Seconds

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

timers nsf signal

[no] timers nsf signal <signal-interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
timers	Set EIGRP timers
nsf	EIGRP NSF timer
signal	EIGRP time limit for signaling NSF restart
<i>signal-interval</i>	Seconds

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

timers prefix-peer-timeout

timers prefix-peer-timeout <prefixpeer-timeout> | no timers prefix-peer-timeout [<prefixpeer-timeout>]

Syntax Description

no	Negate a command or set its defaults
timers	Configure bgp related timers
prefix-peer-timeout	Configure how long state for a prefix peer is maintained
<i>prefixpeer-timeout</i>	Prefix Peer timeout (seconds)

Command Mode

- /exec/configure/router-bgp/vrf-cmds

timers prefix-peer-wait

timers prefix-peer-wait <prefixpeer-wait> | no timers prefix-peer-wait [<prefixpeer-wait>]

Syntax Description

no	Negate a command or set its defaults
timers	Configure bgp related timers
prefix-peer-wait	Configure wait timer for a prefix peer
<i>prefixpeer-wait</i>	Prefix peer wait timer (seconds)

Command Mode

- /exec/configure/router-bgp/vrf-cmds

timers srgb cleanup

```
{ { timers srgb cleanup <interval> } | { no timers srgb cleanup [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
srgb	Configure SRGB related timer constants
cleanup	Interval for which SR will wait for SRGB cleanup ACK from clients
<i>interval</i>	Interval value (seconds)

Command Mode

- /exec/configure/config-sr-mpls

timers srgb retry

```
{ { timers srgb retry <interval> } | { no timers srgb retry [ <interval> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
srgb	Configure SRGB related timer constants
retry	Interval for which SR will retry SRGB allocation with ULIB
<i>interval</i>	Interval value (seconds)

Command Mode

- /exec/configure/config-sr-mpls

timers throttle lsa

```
{ { timers throttle lsa <start-time> <hold-time> <max-time> } | { no timers throttle lsa [ <start-time>
<hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Set rate-limiting values (milliseconds)
lsa	Set rate-limiting for LSA generation
<i>start-time</i>	Start interval (milliseconds)
<i>hold-time</i>	Hold interval (milliseconds)
<i>max-time</i>	Max interval (milliseconds)

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

timers throttle lsa

```
{ { timers throttle lsa <start-time> <hold-time> <max-time> } | { no timers throttle lsa [ <start-time>
<hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Set rate-limiting values (milliseconds)
lsa	Set rate-limiting for LSA generation
<i>start-time</i>	Start interval (milliseconds)
<i>hold-time</i>	Hold interval (milliseconds)
<i>max-time</i>	Max interval (milliseconds)

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

timers throttle spf

```
{ { timers throttle spf <start-time> <hold-time> <max-time> } | { no timers throttle spf [ <start-time>
<hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Configure timer related constants
spf	OSPF SPF timers
<i>start-time</i>	Initial SPF schedule delay in milliseconds
<i>hold-time</i>	Minimum hold time between SPF calculations
<i>max-time</i>	Maximum wait time between SPF calculations

Command Mode

- /exec/configure/router-ospf3/router-ospf3-af-ipv6 /exec/configure/router-ospf3/vrf/router-ospf3-af-ipv6

timers throttle spf

```
{ { timers throttle spf <start-time> <hold-time> <max-time> } | { no timers throttle spf [ <start-time>
<hold-time> <max-time> ] } }
```

Syntax Description

no	Negate a command or set its defaults
timers	Configure timer related constants
throttle	Configure timer related constants
spf	OSPF SPF timers
<i>start-time</i>	Initial SPF schedule delay in milliseconds
<i>hold-time</i>	Minimum hold time between SPF calculations
<i>max-time</i>	Maximum wait time between SPF calculations

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

timestamp timestamp

timestamp { ingress id <ingress-source-id> [egress id <egress-source-id>] } | timestamp { egress id <egress-source-id> [ingress id <ingress-source-id>] } | no timestamp

Syntax Description

no	Negate a command or set its defaults
timestamp	Configure packet timestamping
ingress	ingress direction
egress	(Optional) egress direction
id	source identifier inserted in timestamp
<i>ingress-source-id</i>	Ingress source id value
<i>egress-source-id</i>	(Optional) Egress source id value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

topology

[no] topology <tpg-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
topology	Configure Layer-2 Topology for IS-IS
<i>tpg-id</i>	L2 Topology ID 1-63

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

tos

{ { no | default } tos | tos <tos-value> }

Syntax Description

no	
default	Set a command to its defaults
tos	Type of Service
<i>tos-value</i>	Type of Service Value

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/http

tr

```
| tr [ -c | -d | -s | -t ] + <SET1> [ <SET2> ]
```

Syntax Description

	Pipe command output to filter
tr	Translate, squeeze, and/or delete characters
-c	(Optional) first complement SET1
-d	(Optional) delete characters in SET1, do not translate
-s	(Optional) replace each sequence of a repeated character from SET1 with single occurrence of that character
-t	(Optional) first truncate SET1 to length of SET2
<i>SET1</i>	character SET1: CHAR1-CHAR2 = all characters from CHAR1 to CHAR2 in ascending order special chars: (tab) (new line) [:alnum:] [:alpha:] [:digit:] [:graph:] (printable, no space) [:print:] (printable, with space) [:lower:] [:upper:] [:space:] (tab or space)
<i>SET2</i>	(Optional) character SET2 (for translation length is extended to length of SET1 by repeating last char, excess chars are ignored); format same as SET1 [CHAR*] = copies of CHAR until length of SET1 [CHAR*REPEAT] = REPEAT copies of CHAR

Command Mode

- /output

tracert

```
tracert { <host> | <hostname> } [ port <portnumber> ] [ [ source-interface <src-intf> ] | [ [ source { <host> | <hostname> | <interface> } ] | vrf { <vrf-name> | <vrf-known-name> } ] ] ]
```

Syntax Description

tracert	Tracert
<i>host</i>	IP address of remote system
<i>hostname</i>	Hostname of remote system
port	(Optional) Set destination port
<i>portnumber</i>	(Optional) Enter destination port number
source	(Optional) Set source address in IP header
<i>interface</i>	(Optional) Interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface

Command Mode

- /exec

traceroute6

```
traceroute6 { <host> | <hostname> } [ [ [ source { <host> | <hostname> | <interface> } ] ] vrf { <vrf-name>
| <vrf-known-name> } ] ] [ source-interface <src-intf> ] ]
```

Syntax Description

traceroute6	Traceroute6
<i>hostname</i>	Hostname of remote system
source	(Optional) Set source address in IPv6 header
<i>interface</i>	(Optional) Interface
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface

Command Mode

- /exec

tracroute mpls

```
tracroute mpls { nil-fec { { labels <comma-separated-labels> } { output { ointerface <tx-interface> } nextthop
<nextthop-ip-addr> } | { policy { { name <srte-policy-name> } | { endpoint <srte-policy-endpoint> color
<srte-policy-color> } } [ { output { ointerface <tx-interface> } [ nextthop <nextthop-ip-addr> ] ] } } } [ {
timeout <seconds> } | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> | <addr-incr> ] ] } | { source
<addr> } | { exp <exp-value> } | { ttl <ttl-max> } | { verbose } | { reply { { mode { <reply-mode-ipv4> |
router-alert | no-reply } } | { dscp { <dscp-bits> | af11 | af12 | af13 | af21 | af22 | af23 | af31 | af32 | af33 | af41
| af42 | af43 | cs1 | cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } } } + | { force-explicit-null } | { flags { fec }
} ] +
```

Syntax Description

tracroute	need
mpls	Test
nil-fec	Target
labels	A
<i>comma-separated-labels</i>	A
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
destination	(Optional) Destination
<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination
<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
ttl	(Optional) Maximum
<i>ttl-max</i>	(Optional) TTL
verbose	(Optional) Verbose
reply	(Optional) Reply
mode	(Optional) Reply

reply-mode-ipv4	(Optional) Send
router-alert	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match
af33	(Optional) Match
af41	(Optional) Match
af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
force-explicit-null	(Optional) Force
output	Output
ointerface	Echo

<i>tx-interface</i>	Echo
nexthop	Next
<i>nexthop-ip-addr</i>	Next
flags	(Optional) Flag
fec	(Optional) Request
policy	Derive
name	Specify
color	Specify
endpoint	Specify
<i>srte-policy-name</i>	The
<i>srte-policy-color</i>	The
<i>srte-policy-endpoint</i>	The

Command Mode

- /exec

traceroute nve

```
traceroute nve { { { ip { <numeric10> | <numeric11> } } [ vrf { <vrf-name> | <vrf-known-name> } | {
<dot1qid1> } ] } | mac <dmac> <dot1qid> [ <intfid> ] } [ profile <pid> ] [ payload { [ mac-addr <dstmac>
<smac> ] [ dot1q <dot1q-id> ] [ ip <dstip> <srcip> | ipv6 <dstip6> <srcip6> ] [ port <sport> <dport> ] [
proto <proto-id> ] } payload-end ] [ source { <numeric1> | <numeric2> } |
```

Syntax Description

traceroute	Test
nve	network virtualization edge
<i>numeric10</i>	Ipv4 address of remote host
<i>intfid</i>	(Optional) Name of the interface for ngoam traceroute on which dot1q is configured
profile	(Optional) NGOAM profile to use
<i>pid</i>	(Optional) NGOAM profile id
mac	Mac
<i>dmac</i>	Destination mac address
<i>dot1qid</i>	Encapsulation dot1q/bd on which the mac is learnt
<i>dot1qid1</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source
<i>numeric1</i>	(Optional) IP
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
<i>dstmac</i>	(Optional) Destination mac address
<i>smac</i>	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
ip	ip address
<i>dstip</i>	(Optional) Destination ipv4 address

<i>srcip</i>	(Optional) source ipv4 address
<i>ipv6</i>	(Optional) ipv6 address
<i>port</i>	(Optional) L4 port info
<i>sport</i>	(Optional) Source port
<i>dport</i>	(Optional) Destination port
<i>proto</i>	(Optional) Protocol
<i>proto-id</i>	(Optional) IANA Protocol id
<i>payload-end</i>	(Optional) End payload info input

Command Mode

- /exec

traceroute sr-mpls

```
traceroute sr-mpls { <sr-ipv4-prefix> fec-type { { igp isis } | { bgp } | { generic } } } [ { timeout <seconds>
} | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> | <addr-incr> ] ] } | { source <addr> } | { exp
<exp-value> } | { ttl <ttl-max> } | { verbose } | { reply { { mode { <reply-mode-ipv4> | router-alert | no-reply
} } | { dscp { <dscp-bits> | af11 | af12 | af13 | af21 | af22 | af23 | af31 | af32 | af33 | af41 | af42 | af43 | cs1 |
cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } } } + { force-explicit-null } | { flags { fec } } ] +
```

Syntax Description

traceroute	need
sr-mpls	Test
<i>sr-ipv4-prefix</i>	IP
fec-type	Type
igp	Kind
isis	ISIS
bgp	BGP
generic	Generic
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
destination	(Optional) Destination
<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination
<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
ttl	(Optional) Maximum
<i>ttl-max</i>	(Optional) TTL
verbose	(Optional) Verbose
reply	(Optional) Reply

mode	(Optional) Reply
reply-mode-ipv4	(Optional) Send
router-alert	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match
af33	(Optional) Match
af41	(Optional) Match
af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
force-explicit-null	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
flags	(Optional) Flag

fec	(Optional) Request
-----	--------------------

Command Mode

- /exec

track-adjacency-nexthop

[no] track-adjacency-nexthop

Syntax Description

no	(Optional) Negate a command or set its defaults
track-adjacency-nexthop	Track next-hop for same-site Overlay adjacencies

Command Mode

- /exec/configure/otv-isis

track

```
track <object-id> { ip_v4 sla <sla-id> [ sla_reachability | sla_state ] }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
ip_v4	IPv4 protocol
sla	IP Service Level Agreement
<i>sla-id</i>	Entry number
sla_reachability	(Optional) Reachability
sla_state	(Optional) return code state

Command Mode

- /exec/configure

track

[no] track <object-number> [decrement <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
track	Associates track object to HSRP group
<i>object-number</i>	Set the object number to the group
decrement	(Optional) Decrements when tracked object goes down
<i>value</i>	(Optional) Set the value to decrement from priority

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

track

track <object-number> | no track

Syntax Description

no	Negate a command or set its defaults
track	Associates track object to Anycast Bundle
<i>object-number</i>	Set the object number

Command Mode

- /exec/configure/anycast

track

track <object-id>

Syntax Description

track	Object tracking deletion command
<i>object-id</i>	Tracked Object

Command Mode

- /exec/configure

track

[no] track <object-id> [force]

Syntax Description

no	Negate a command or set its defaults
track	Object tracking deletion command
<i>object-id</i>	Tracked Object
force	(Optional) Completely remove the object

Command Mode

- /exec/configure

track

```
track <object-id> { { ip_v4 route <route-prefix> reachability [ hmm ] } | { ip_v6 routev6 <v6route-prefix> reachability [ hmm ] } }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
ip_v4	IPv4 protocol
route	IPv4 route
<i>route-prefix</i>	Specify ipv4 route prefix
ip_v6	IPv6 protocol
routev6	IPv6 route
reachability	Route reachability state
hmm	(Optional) Track routes owned by hmm

Command Mode

- /exec/configure

track

```
track <object-id> { list { boolean <bool-val> } }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
list	Object tracking list
boolean	boolean list type
<i>bool-val</i>	boolean list type

Command Mode

- /exec/configure

track

```
track <object-id> { list threshold <weight-val> }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
list	Object tracking list
threshold	threshold type
<i>weight-val</i>	threshold weight type

Command Mode

- /exec/configure

track

```
track <object-id> { list threshold <percentage-val> }
```

Syntax Description

track	Object tracking configuration command
<i>object-id</i>	Tracked Object
list	Object tracking list
threshold	threshold type
<i>percentage-val</i>	threshold percentage type

Command Mode

- /exec/configure

track

track <track-obj> | no track <track-obj>

Syntax Description

no	Negate a command or set its defaults
track	Tracking object to suspend vPC if object goes down
<i>track-obj</i>	Tracked object

Command Mode

- /exec/configure/vpc-domain

track data

[no] track data <loc-uri>

Syntax Description

no	(Optional) Negate a command or set its defaults
data	User files to preserve
track	Track file uri
<i>loc-uri</i>	Enter file uri

Command Mode

- /exec/configure/personality

track interface

```
track <object-id> interface <ifnum> { line-protocol | ipv4 routing | ipv6 routingv6 }
```

Syntax Description

track	Object tracking configuration commands
<i>object-id</i>	Tracked Object
interface	Interface to track
<i>ifnum</i>	Interface type and number
line-protocol	Track interface line-protocol
ipv4	IPv4 parameters
routing	Track interface ipv4 routing
ipv6	IPv6 parameters
routingv6	Track interface ipv6 routing

Command Mode

- /exec/configure

track interface priority

```
{ { track { { interface <intf_num> priority <priority_value> } | { <object-num> [ decrement <decrement-value> ] } } } | { no track [ { { interface <intf_num> priority <priority_value> } | { <object-num> [ decrement <decrement-value> ] } } ] } } }
```

Syntax Description

no	Negate a command or set its defaults
track	Track the availability of another interface/object
interface	Select the tracked interface(Native tracking)
<i>intf_num</i>	
priority	Vr priority used when the tracked interface is down
<i>priority_value</i>	
<i>object-num</i>	Set the object number to the group(Object tracking)
decrement	(Optional) Decrements priority when tracked object goes down
<i>decrement-value</i>	(Optional) Set the value to decrement from priority

Command Mode

- /exec/configure/if-eth-any/vrrp

track running-state track startup-state

[no] track running-state | [no] track startup-state

Syntax Description

no	(Optional) Negate a command or set its defaults
track	Track file uri
running-state	active patches, third-party RPMs, and running-config
startup-state	committed patches, third-party RPMs, and startup-config

Command Mode

- /exec/configure/personality

tracking enable

```
[no] tracking { enable [ reachable-lifetime { <reach_secs> | infinite } ] | disable [ stale-lifetime { <stale_secs> | infinite } ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>reach_secs</i>	(Optional) Seconds
<i>stale_secs</i>	(Optional) Seconds
infinite	(Optional) Keep entry in chosen state forever

Command Mode

- /exec/configure/config-snoop-policy

traffic-analytics

[no] traffic-analytics

Syntax Description

traffic-analytics	Enable traffic analytics
-------------------	--------------------------

Command Mode

- /exec/configure/analytics/system

traffic-class

{ { no | default } traffic-class | traffic-class <traffic-class> }

Syntax Description

no	
default	Set a command to its defaults
traffic-class	Traffic Class
<i>traffic-class</i>	Traffic Class Value

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp
/exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/http

traffic-engineering

[no] traffic-engineering

Syntax Description

no	(Optional) Negate a command or set its defaults
traffic-engineering	Configure Traffic Engineering related configurations

Command Mode

- /exec/configure/config-sr

transceiver performance-monitoring

[no] transceiver performance-monitoring

Syntax Description

no	(Optional) Negate a command or set its defaults
transceiver	Transceiver configuration commands
performance-monitoring	performance-monitoring cli config

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

transceiver performance-monitoring fec

```
[no] transceiver performance-monitoring <bucket_interval> fec { report { prefecBER { max-tca | min-tca }
| postfecBER { max-tca | min-tca } | quality { max-tca | min-tca } | quality-margin { max-tca | min-tca } |
ec-bits { max-tca | min-tca } | uc-words { max-tca | min-tca } } } threshold { prefecBER { max
<pre_fec_ber_max> | min <pre_fec_ber_min> } | postfecBER { max <post_fec_ber_max> | min
<post_fec_ber_min> } | quality { max <quality_max> | min <quality_min> } | quality-margin { max
<quality_margin_max> | min <quality_margin_min> } | ec-bits { max <ec_bits_max> | min <ec_bits_min>
} | uc-words { max <uc_words_max> | min <uc_words_min> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
transceiver	transceiver
performance-monitoring	configure performance-monitoring parameters
<i>bucket_interval</i>	bucket_interval
fec	Configure fec g709 performance monitoring
report	set fec TCA reporting status
prefecBER	Set PRE-FEC-BER TCA reporting status
max-tca	Set max PRE-FEC-BER TCA reporting status
min-tca	Set min PRE-FEC-BER TCA reporting status
postfecBER	set POST-FEC-BER TCA reporting status
max-tca	set max POST-FEC-BER TCA reporting status
min-tca	set min POST-FEC-BER TCA reporting status
quality	set Quality TCA reporting status
max-tca	set max Quality TCA reporting status
min-tca	set min Quality TCA reporting status
quality-margin	set Quality Margin TCA reporting status
max-tca	set max Quality Margin TCA reporting status
min-tca	set min Quality Margin TCA reporting status
ec-bits	sets the EC-BITS (error corrected bits) TCA reporting status
max-tca	sets the EC-BITS (error corrected bits) max TCA reporting status
min-tca	sets the EC-BITS (error corrected bits) min TCA reporting status
uc-words	sets the UC-WORDS (uncorrected words) TCA reporting status

max-tca	sets the UC-WORDS (uncorrected words) max TCA reporting status
min-tca	sets the UC-WORDS (uncorrected words) min TCA reporting status
threshold	Configure fec threshold
prefecBER	Set PRE-FEC-BER Thresholds
max	Set max PRE-FEC-BER Thresholds
<i>pre_fec_ber_max</i>	Prefecber max
min	Set min PRE-FEC-BER Thresholds
<i>pre_fec_ber_min</i>	Prefecber min
postfecBER	set POST-FEC-BER threshold
max	set max POST-FEC-BER threshold
<i>post_fec_ber_max</i>	postfecber max
min	set min POST-FEC-BER threshold
<i>post_fec_ber_min</i>	postfecBER min
quality	set Quality threshold
max	set max Quality threshold
<i>quality_max</i>	Quality max
min	set min Quality threshold
<i>quality_min</i>	Quality min
quality-margin	set Quality Margin threshold
max	set max Quality Margin threshold
<i>quality_margin_max</i>	Quality margin max
min	set min Quality Margin threshold
<i>quality_margin_min</i>	Quality margin min
ec-bits	sets the EC-BITS (error corrected bits) threshold
max	sets the max EC-BITS (error corrected bits) threshold
<i>ec_bits_max</i>	EC-BITS max
min	sets the min EC-BITS (error corrected bits) threshold
<i>ec_bits_min</i>	EC-BITS min
uc-words	sets the UC-WORDS (uncorrected words) threshold

max	sets the max UC-WORDS (uncorrected words) threshold
<i>uc_words_max</i>	UC-WORDS max
min	sets the min UC-WORDS (uncorrected words) threshold
<i>uc_words_min</i>	UC-WORDS min

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

transceiver performance-monitoring optics

```
[no] transceiver performance-monitoring <bucket_interval> optics { report { cd { max-tca | min-tca } | dgd { max-tca | min-tca } | opr { max-tca | min-tca } | opt { max-tca | min-tca } | osnr { max-tca | min-tca } | rx-sig-pow { max-tca | min-tca } | snr { max-tca | min-tca } | lbc { max-tca | min-tca } | freq-off { max-tca | min-tca } | per { max-tca | min-tca } | pdl { max-tca | min-tca } | sopmd { max-tca | min-tca } } | threshold { cd { max <cd_max> | min <cd_min> } | dgd { max <dgd_max> | min <dgd_min> } | opr { max <opr_max> | min <opr_min> } | opt { max <opt_max> | min <opt_min> } | osnr { max <osnr_max> | min <osnr_min> } | rx-sig-pow { max <rx_sig_max> | min <rx_sig_min> } | snr { max <snr_max> | min <snr_min> } | lbc { max <lbc_max> | min <lbc_min> } | freq-off { max <freq_off_max> | min <freq_off_min> } | per { max <per_max> | min <per_min> } | pdl { max <pdl_max> | min <pdl_min> } | sopmd { max <sopmd_max> | min <sopmd_min> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
transceiver	transceiver
performance-monitoring	configure performance-monitoring parameters
<i>bucket_interval</i>	bucket_interval
optics	Configure optics performance monitoring
report	set fec TCA reporting status
cd	set chromatic dispersion TCA reporting status
max-tca	set chromatic dispersion max TCA reporting status
min-tca	set chromatic dispersion min TCA reporting status
dgd	set differential group delay TCA reporting status
max-tca	set differential group delay max TCA reporting status
min-tca	set differential group delay min TCA reporting status
opr	set opr/opr-dbm TCA reporting status
max-tca	set opr/opr-dbm max TCA reporting status
min-tca	set opr/opr-dbm min TCA reporting status
opt	set opt/opt-dbm TCA reporting status
max-tca	set opt/opt-dbm max TCA reporting status
min-tca	set opt/opt-dbm min TCA reporting status
osnr	set optical signal to noise ratio TCA reporting status
max-tca	set optical signal to noise ratio max TCA reporting status

min-tca	set optical signal to noise ratio min TCA reporting status
rx-sig-pow	set rx sig power TCA reporting status
max-tca	set rx sig power max TCA reporting status
min-tca	set rx sig power min TCA reporting status
snr	set Signal to Noise Ratio TCA reporting status
max-tca	set Signal to Noise Ratio max TCA reporting status
min-tca	set Signal to Noise Ratio min TCA reporting status
lbc	set Laser Bias Current TCA reporting status
max-tca	set Laser Bias Current max TCA reporting status
min-tca	set Laser Bias Current min TCA reporting status
freq-off	set Low Signal Frequency Offset TCA reporting status
max-tca	set Low Signal Frequency Offset max TCA reporting status
min-tca	set Low Signal Frequency Offset min TCA reporting status
pcr	set Polarization Change Rate TCA reporting status
max-tca	set Polarization Change Rate max TCA reporting status
min-tca	set Polarization Change Rate min TCA reporting status
pdl	set Polarization Dependent Loss TCA reporting status
max-tca	set Polarization Dependent Loss max TCA reporting status
min-tca	set Polarization Dependent Loss min TCA reporting status
sopmd	set Second Order Polarization Mode Dispersion TCA reporting status
max-tca	set Second Order Polarization Mode Dispersion max TCA reporting status
min-tca	set Second Order Polarization Mode Dispersion min TCA reporting status
threshold	Configure fec threshold
cd	set chromatic dispersion threshold
max	set chromatic dispersion max threshold
<i>cd_max</i>	chromatic dispersion max threshold (ps/nm)
min	set chromatic dispersion min threshold
<i>cd_min</i>	chromatic dispersion max threshold (ps/nm)

dgd	set differential group delay threshold
max	set differential group delay max threshold
<i>dgd_max</i>	differential delay group max threshold (1/100th of ps)
min	set differential group delay min threshold
<i>dgd_min</i>	differential delay group min threshold (1/100th of ps)
opr	set optical power RX threshold in uW
max	set opr max threshold in uW
<i>opr_max</i>	opr max threshold (uW)
min	set opr min threshold in uW
<i>opr_min</i>	opr min threshold (uW)
opt	set optical power TX threshold in uW
max	set opt max threshold in uW
<i>opt_max</i>	opt max threshold (uW)
min	set opt min threshold in uW
<i>opt_min</i>	opt min threshold (uW)
osnr	set optical signal to noise ratio threshold
max	set optical signal to noise ratio max threshold
<i>osnr_max</i>	optical signal to noise ratio max threshold (1/100th of dB)
min	set optical signal to noise ratio min threshold
<i>osnr_min</i>	optical signal to noise ratio min threshold (1/100th of dB)
rx-sig-pow	set receiving signal power threshold in uW
max	set rx sig power max threshold in uW
<i>rx_sig_max</i>	rx sig power max threshold in uW
min	set rx sig power min threshold in uW
<i>rx_sig_min</i>	rx sig power max threshold in uW
snr	set signal-to-noise ratio threshold
max	set SNR max threshold
<i>snr_max</i>	SNR max threshold
min	set SNR min threshold

<i>snr_min</i>	SNR min threshold
<i>lbc</i>	set Laser Bias Current threshold
<i>max</i>	set Laser Bias Current max threshold
<i>lbc_max</i>	Laser Bias Current max threshold
<i>min</i>	set Laser Bias Current min threshold
<i>lbc_min</i>	Laser Bias Current min threshold
<i>freq-off</i>	set Low Signal Frequency Offset threshold
<i>max</i>	set Low Signal Frequency Offset max threshold
<i>freq_off_max</i>	Low Signal Frequency Offset max threshold
<i>min</i>	set Low Signal Frequency Offset min threshold
<i>freq_off_min</i>	Low Signal Frequency Offset min threshold
<i>pcr</i>	set Polarization Change Rate threshold
<i>max</i>	set Polarization Change Rate max threshold
<i>pcr_max</i>	Polarization Change Rate max threshold
<i>min</i>	set Polarization Change Rate min threshold
<i>pcr_min</i>	Polarization Change Rate min threshold
<i>pdl</i>	set Polarization Dependent Loss threshold
<i>max</i>	set Polarization Dependent Loss max threshold
<i>pdl_max</i>	Polarization Dependent Loss max threshold
<i>min</i>	set Polarization Dependent Loss min threshold
<i>pdl_min</i>	Polarization Dependent Loss min threshold
<i>sopmd</i>	set Second Order Polarization Mode Dispersion threshold
<i>max</i>	set Second Order Polarization Mode Dispersion max threshold
<i>sopmd_max</i>	Second Order Polarization Mode Dispersion max threshold
<i>min</i>	set Second Order Polarization Mode Dispersion min threshold
<i>sopmd_min</i>	Second Order Polarization Mode Dispersion min threshold

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

transmit-delay

```
{ { transmit-delay <delay> } | { no transmit-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

- /exec/configure/router-ospf3/router-ospf3-vlink /exec/configure/router-ospf3/vrf/router-ospf3-vlink

transmit-delay

```
{ { transmit-delay <delay> } | { no transmit-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/router-ospf-vlink /exec/configure/router-ospf/vrf/router-ospf-vlink

transmit-delay

```
{ { transmit-delay <delay> } | { no transmit-delay [ <delay> ] } }
```

Syntax Description

no	Negate a command or set its defaults
transmit-delay	Packet transmission delay
<i>delay</i>	(seconds)

Command Mode

- /exec/configure/router-ospf/vrf/router-ospf-slink

transport connection-mode passive

[no | default] transport connection-mode passive

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
transport	BGP transport connection
connection-mode	Specify type of connection
passive	Allow passive connection setup only

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-neighbor-stmp
/exec/configure/router-bgp/router-bgp-vrf-neighbor
/exec/configure/router-bgp/router-bgp-template-neighbor

transport email

```
{ transport email { from <s0> | reply-to <s1> | smtp-server { <hostipv4> | <hostipv6> | <hostname> } [ port
<i1> ] [ use-vrf <s2> ] | username <s3> { passwd <s4> } { cleartext | encrypted } } | no transport email
smtp-server | no transport email { from | reply-to | username } }
```

Syntax Description

no	Negate a command or set its defaults
transport	Configure transport related configuration
email	Configure email transport related configuration
from	Configure from email address
<i>s0</i>	Provide from email address, example: SJ-9500-1@xyz.com
reply-to	Configure replyto email address
<i>s1</i>	Provide reply-to email address, example: admin@xyz.com
smtp-server	Configure SMTP server address
<i>hostname</i>	SMTP server(DNS name or IPv4 or IPv6 address)
<i>hostipv4</i>	IPV4 address of SMTP server
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port
use-vrf	(Optional) Configure vrf name
<i>s2</i>	(Optional) vrf name
username	Configure the username
<i>s3</i>	Provide the username
passwd	Configure the password
<i>s4</i>	Provide the password, max 64 characters for cleartext and 255 for encrypted
cleartext	Configure cleartext password
encrypted	Configure encrypted password

Command Mode

- /exec/configure/callhome

transport email mail-server

```
{ [ no ] transport email mail-server { <hostipv4> | <hostipv6> | <hostname> } [ port <i1> ] [ priority <i2> ]
[ use-vrf <s2> ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
transport	Configure transport related configuration
email	Configure email transport related configuration
mail-server	Configure SMTP server address (for supporting multiple SMTP-servers)
<i>hostname</i>	SMTP server(DNS name or IPv4 or IPv6 address)
<i>hostipv4</i>	IPV4 address of SMTP server
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port
use-vrf	(Optional) Configure vrf name
<i>s2</i>	(Optional) vrf name
priority	(Optional) Configure SMTP server priority (1-100) (default:50)
<i>i2</i>	(Optional) SMTP server priority

Command Mode

- /exec/configure/callhome

transport http proxy enable

[no] transport http proxy enable

Syntax Description

no	(Optional) Negate a command or set its defaults
transport	Configure transport related configuration
http	Configure transport option for http urls
proxy	Configure proxy for http transport
enable	Enable the usage of proxy server for messages sent over http(s)

Command Mode

- /exec/configure/callhome

transport http proxy server

{ transport http proxy server { <hostname> } [port <i1>] } | { no transport http proxy server }

Syntax Description

no	Negate a command or set its defaults
transport	Configure transport related configuration
http	Configure transport option for http urls
proxy	Configure proxy for http transport
server	Configure proxy server address and port
<i>hostname</i>	Proxy server name or IP address(DNS name or IPv4 or IPv6 address)
port	(Optional) Configure Proxy server port (default:8080)
<i>i1</i>	(Optional) Proxy server port

Command Mode

- /exec/configure/callhome

transport http use-vrf

transport http use-vrf { <vrf-name> | <vrf-known-name> } | no transport http use-vrf

Syntax Description

no	Negate a command or set its defaults
transport	Configure transport related configuration
http	Configure transport option for http urls
use-vrf	Configure vrf name
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/callhome

transport tcp port

[no] transport tcp port | transport tcp port <port-number>

Syntax Description

no	Negate a command or set its defaults
transport	Transport protocol for connectin to RPKI cache
tcp	TCP as transport layer protocol for connecting to RPKI
port	Port number on which RPKI cache is listening
<i>port-number</i>	Port number

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

transport tls authentication-type trustpoint

```
{ [ no ] transport tls authentication-type trustpoint <trustpoint> }
```

Syntax Description

transport	Transport authentication type for Cryptopqc profile
tls	Configure TLS based authentication
authentication-type	tls authentication tye
trustpoint	tls authentication type trustpoint
<i>trustpoint</i>	String inout for trustpoint

Command Mode

- /exec/configure/crypto-profile

transport tls authentication-type trustpoint ignore-certificate

```
{ [ no ] transport tls authentication-type trustpoint <trustpoint> ignore-certificate }
```

Syntax Description

transport	Transport authentication type for Cryptopqc profile
tls	Configure TLS based authentication
authentication-type	tls authentication tye
trustpoint	tls authentication type trustpoint
<i>trustpoint</i>	String inout for trustpoint
ignore-certificate	Skip verification of incoming certificate

Command Mode

- /exec/configure/crypto-profile

transport udp

```
{ [ no ] transport udp <portnumber> | no transport udp }
```

Syntax Description

transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/config-postcard-exporter

transport udp

{ [no] transport udp <portnumber> | no transport udp }

Syntax Description

transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/config-int-exporter

transport udp

```
{ [ no ] transport udp <portnumber> | no transport udp }
```

Syntax Description

transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/nfm-exporter

transport udp

{ [no] transport udp <portnumber> | no transport udp }

Syntax Description

transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/analytics/exporter

transport udp

```
[no] transport udp { src-port <srcport> dst-port <dstport> | dst-port <dstport> src-port <srcport> | src-port <srcport> | dst-port <dstport> }
```

Syntax Description

transport	Transport configurations
udp	UDP Port
src-port	Src UDP port
<i>srcport</i>	UDP port to be configured, default 49153
dst-port	Dest UDP port
<i>dstport</i>	UDP port to be configured for destination, default 49153

Command Mode

- /exec/configure/config-ssx-exporter

transport udp

{ [no] transport udp <portnumber> | no transport udp }

Syntax Description

transport	Transport Destination Port
udp	Destination UDP Port
<i>portnumber</i>	Destination UDP Port

Command Mode

- /exec/configure/nfm-exporter

transport udp source-port

```
{ [ no ] transport udp source-port <intf> }
```

Syntax Description

transport	Transport protocol config
udp	UDP Port
source-port	source-port
<i>intf</i>	UDP port to be configured

Command Mode

- /exec/configure/config-fte-exporter

trigger init ingress in-select 3 out-select 0

trigger init { ingress | egress } in-select 3 out-select 0

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
3	outerl2-outerl3-outerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 3 out-select 03

trigger init { ingress | egress } in-select 3 out-select 03

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
03	pkt_lsb
3	outerl2-outerl3-outerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 3 out-select 0 reverse

trigger init { ingress | egress } in-select 3 out-select 0 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
3	outerl2-outerl3-outerl4
reverse	Program reverse ELAM

Command Mode

- /exec/elanms

trigger init ingress in-select 3 out-select 1

trigger init { ingress | egress } in-select 3 out-select 1

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
1	pkt_fifo_lsb
3	outerl2-outerl3-outerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 3 out-select 2

trigger init { ingress | egress } in-select 3 out-select 2

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
2	pkt_fifo_msb
3	outerl2-outerl3-outerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 3 out-select 4

trigger init { ingress | egress } in-select 3 out-select 4

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
4	pkt_msb
3	outerl2-outerl3-outerl4

Command Mode

- /exec/alamns

trigger init ingress in-select 3 out-select 5

trigger init { ingress | egress } in-select 3 out-select 5

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
3	outerl2-outerl3-outerl4

Command Mode

- /exec/elamns

trigger init ingress in-select 3 out-select 5 reverse

trigger init { ingress | egress } in-select 3 out-select 5 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
3	outerl2-outerl3-outerl4
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger init ingress in-select 4 out-select 0

trigger init { ingress | egress } in-select 4 out-select 0

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
4	innerl2-innerl3-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 4 out-select 04

trigger init { ingress | egress } in-select 4 out-select 04

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
04	pkt_msb
4	innerl2-innerl3-innerl4

Command Mode

- /exec/alamns

trigger init ingress in-select 4 out-select 0 reverse

trigger init { ingress | egress } in-select 4 out-select 0 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
4	innerl2-innerl3-innerl4
reverse	Program reverse ELAM

Command Mode

- /exec/elanms

trigger init ingress in-select 4 out-select 1

trigger init { ingress | egress } in-select 4 out-select 1

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
1	pkt_fifo_lsb
4	innerl2-innerl3-innerl4

Command Mode

- /exec/alamns

trigger init ingress in-select 4 out-select 2

trigger init { ingress | egress } in-select 4 out-select 2

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
2	pkt_fifo_msb
4	innerl2-innerl3-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 4 out-select 3

trigger init { ingress | egress } in-select 4 out-select 3

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
3	pkt_lsb
4	innerl2-innerl3-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 4 out-select 5

trigger init { ingress | egress } in-select 4 out-select 5

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
4	inner12-inner13-inner14

Command Mode

- /exec/elamns

trigger init ingress in-select 4 out-select 5 reverse

trigger init { ingress | egress } in-select 4 out-select 5 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
4	innerl2-innerl3-innerl4
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger init ingress in-select 5 out-select 0

trigger init { ingress | egress } in-select 5 out-select 0

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
5	outerl2-innerl2

Command Mode

- /exec/elanms

trigger init ingress in-select 5 out-select 05

trigger init { ingress | egress } in-select 5 out-select 05

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
05	sideband
5	outerl2-innerl2

Command Mode

- /exec/elanms

trigger init ingress in-select 5 out-select 05 reverse

trigger init { ingress | egress } in-select 5 out-select 05 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
05	sideband
5	outerl2-innerl2
reverse	Program reverse ELAM

Command Mode

- /exec/elanms

trigger init ingress in-select 5 out-select 0 reverse

trigger init { ingress | egress } in-select 5 out-select 0 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
5	outerl2-innerl2
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger init ingress in-select 5 out-select 1

trigger init { ingress | egress } in-select 5 out-select 1

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
1	pkt_fifo_lsb
5	outerl2-innerl2

Command Mode

- /exec/elamns

trigger init ingress in-select 5 out-select 2

trigger init { ingress | egress } in-select 5 out-select 2

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
2	pkt_fifo_msb
5	outerl2-innerl2

Command Mode

- /exec/alamns

trigger init ingress in-select 5 out-select 3

trigger init { ingress | egress } in-select 5 out-select 3

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
3	pkt_lsb
5	outerl2-innerl2

Command Mode

- /exec/elanms

trigger init ingress in-select 5 out-select 4

trigger init { ingress | egress } in-select 5 out-select 4

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
4	pkt_msb
5	outerl2-innerl2

Command Mode

- /exec/elanms

trigger init ingress in-select 6 out-select 0

trigger init { ingress | egress } in-select 6 out-select 0

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
6	outer13-inner13

Command Mode

- /exec/elanms

trigger init ingress in-select 6 out-select 0 reverse

trigger init { ingress | egress } in-select 6 out-select 0 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
6	outerl3-innerl3
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger init ingress in-select 6 out-select 1

trigger init { ingress | egress } in-select 6 out-select 1

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
1	pkt_fifo_lsb
6	outer13-inner13

Command Mode

- /exec/elamns

trigger init ingress in-select 6 out-select 2

trigger init { ingress | egress } in-select 6 out-select 2

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
2	pkt_fifo_msb
6	outerl3-innerl3

Command Mode

- /exec/alamns

trigger init ingress in-select 6 out-select 3

trigger init { ingress | egress } in-select 6 out-select 3

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
3	pkt_lsb
6	outer13-inner13

Command Mode

- /exec/elanms

trigger init ingress in-select 6 out-select 4

trigger init { ingress | egress } in-select 6 out-select 4

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
4	pkt_msb
6	outerl3-innerl3

Command Mode

- /exec/elanms

trigger init ingress in-select 6 out-select 5

trigger init { ingress | egress } in-select 6 out-select 5

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
6	outer13-inner13

Command Mode

- /exec/elanms

trigger init ingress in-select 6 out-select 5 reverse

trigger init { ingress | egress } in-select 6 out-select 5 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
6	outerl3-innerl3
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger init ingress in-select 7 out-select 0

trigger init { ingress | egress } in-select 7 out-select 0

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
7	outerl4-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 7 out-select 0 reverse

trigger init { ingress | egress } in-select 7 out-select 0 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
0	pktrw
7	outerl4-innerl4
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger init ingress in-select 7 out-select 1

trigger init { ingress | egress } in-select 7 out-select 1

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
1	pkt_fifo_lsb
7	outerl4-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 7 out-select 2

trigger init { ingress | egress } in-select 7 out-select 2

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
2	pkt_fifo_msb
7	outerl4-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 7 out-select 3

trigger init { ingress | egress } in-select 7 out-select 3

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
3	pkt_lsb
7	outerl4-innerl4

Command Mode

- /exec/elamns

trigger init ingress in-select 7 out-select 4

trigger init { ingress | egress } in-select 7 out-select 4

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
4	pkt_msb
7	outerl4-innerl4

Command Mode

- /exec/elanms

trigger init ingress in-select 7 out-select 5

trigger init { ingress | egress } in-select 7 out-select 5

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
7	outer14-inner14

Command Mode

- /exec/elanms

trigger init ingress in-select 7 out-select 5 reverse

trigger init { ingress | egress } in-select 7 out-select 5 reverse

Syntax Description

trigger	Define A Trigger
init	Initialize Trigger
ingress	Ingress Fields
egress	Egress Fields
in-select	in-select
out-select	out-select
5	sideband
7	outerl4-innerl4
reverse	Program reverse ELAM

Command Mode

- /exec/elamns

trigger reset

trigger reset

Syntax Description

trigger	Define A Trigger
reset	Reset triggers

Command Mode

- /exec/elamns

trigger route download vrf ipv4

```
trigger route download vrf <vrf-name> { ipv4 <route4> | ipv6 <route6> } [ module <slot-num> ]
```

Syntax Description

trigger	Trigger
route	IP route related
download	Download
vrf	vrf
<i>vrf-name</i>	vrf name
ipv4	ipv4
<i>route4</i>	ipv4 prefix
ipv6	ipv6
module	(Optional) Module
<i>slot-num</i>	(Optional) Slot number of the module

Command Mode

- /exec

trigger tahusd-init

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 10

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] in-select 10 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
10	{outer l4, inner l4, ieth}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 10 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 10 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 10 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] in-select 10 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 10 out-select 2

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 10 out-select 2 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 19

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 19 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
19	{udf_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 19 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 19 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
19	{udf_vec}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 19 out-select 1

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 19 out-select 1 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
19	{udf_vec}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 19 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] in-select 19 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
19	{udf_vec}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 6

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 6 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
6	{outer l2, outer l3, outer l4}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 6 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 6 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
6	{outer I2, outer I3, outer I4}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 6 out-select 1

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 6 out-select 1 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 6 out-select 2

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 6 out-select 2 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
6	{outer I2, outer I3, outer I4}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 7

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 7 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
7	{inner l2, inner l3, inner l4}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 7 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 7 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 7 out-select 1

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 7 out-select 1 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 7 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] in-select 7 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 8

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 8 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
8	{outer l2, inner l2, ieth}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 8 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 8 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 8 out-select 1

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 8 out-select 1 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 8 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] in-select 8 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 9

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 9 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
9	{outer 13, inner 13}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 9 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 9 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
9	{outer I3, inner I3}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 9 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] in-select 9 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
9	{outer l3, inner l3}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init in-select 9 out-select 2

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] in-select 9 out-select 2 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
in-select	in-select
out-select	out-select
9	{outer I3, inner I3}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 10 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 10 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 10 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 10 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 10 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 10 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 19 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 19 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
19	{udf_vec}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 19 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 19 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
19	{udf_vec}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 19 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 19 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
19	{udf_vec}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 6 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 6 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 6 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 6 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 6 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 6 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 7 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 7 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 7 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 7 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 7 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 7 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 8 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 8 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 8 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 8 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 8 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 8 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 9 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 9 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
9	{outer 13, inner 13}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 9 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 9 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
9	{outer I3, inner I3}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 in-select 9 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 0 in-select 9 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
in-select	in-select
out-select	out-select
9	{outer 13, inner 13}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 out-select 0

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 0 out-select 0 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
out-select	out-select
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 out-select 1

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 0 out-select 1 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
out-select	out-select
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 0 out-select 2

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 0 out-select 2 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
0	Trigger at LUD
out-select	out-select
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 10

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 10 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
10	{outer 14, inner 14, ieth}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 10 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 10 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 10 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 10 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 10 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 10 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
10	{outer l4, inner l4, ieth}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 19

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 1 in-select 19 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
19	{udf_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 19 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 19 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
19	{udf_vec}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 19 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 19 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
19	{udf_vec}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 19 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 19 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
19	{udf_vec}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 6

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 1 in-select 6 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
6	{outer 12, outer 13, outer 14}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 6 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 6 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 6 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 6 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 6 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 6 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
6	{outer l2, outer l3, outer l4}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 7

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 1 in-select 7 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
7	{inner 12, inner 13, inner 14}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 7 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 7 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 7 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 7 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 7 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 7 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
7	{inner l2, inner l3, inner l4}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 8

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 1 in-select 8 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
8	{outer l2, inner l2, ieth}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 8 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 8 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 8 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 8 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 8 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 8 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
8	{outer l2, inner l2, ieth}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 9

trigger tahusd-init [asic <asic-no>] [slice <slice-no>] lu-a2d 1 in-select 9 [use-src-id <src-id>]

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
9	{outer 13, inner 13}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 9 out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 9 out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
9	{outer 13, inner 13}
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 9 out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 9 out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
9	{outer I3, inner I3}
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init lu-a2d 1 in-select 9 out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] lu-a2d 1 in-select 9 out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
lu-a2d	Trigger at LUA/LUD
1	Trigger at LUA
in-select	in-select
out-select	out-select
9	{outer l3, inner l3}
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init out-select 0

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] out-select 0 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
out-select	out-select
0	{header_vec, sideband, sb_info}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init out-select 1

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] out-select 1 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
out-select	out-select
1	{header_vec, sideband, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trigger tahusd-init out-select 2

```
trigger tahusd-init [ asic <asic-no> ] [ slice <slice-no> ] out-select 2 [ use-src-id <src-id> ]
```

Syntax Description

trigger	Define A Trigger
tahusd-init	Initialize Trigger
asic	(Optional) ASIC instance
<i>asic-no</i>	(Optional) ASIC instance number
slice	(Optional) ASIC slice
<i>slice-no</i>	(Optional) ASIC slice number
out-select	out-select
2	{sideband, sb_info, stats, lux_drop_vec}
use-src-id	(Optional) Capture on ethernet interface
<i>src-id</i>	(Optional) interface index

Command Mode

- /exec/elamtah

trusted-port

[no] trusted-port

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/config-ra-guard

trusted-port

[no] trusted-port

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/config-snoop-policy

trusted-port

[no] trusted-port

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/config-dhcp-guard

ttag-marker-interval

[no] ttag-marker-interval <seconds>

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker-interval	Marker packet interval
<i>seconds</i>	Interval in seconds

Command Mode

- /exec/configure

ttag-marker-interval

[no] ttag-marker-interval <seconds>

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker-interval	Marker packet interval
<i>seconds</i>	Interval in seconds

Command Mode

- /exec/configure

ttag-marker enable

[no] ttag-marker enable

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker	Enable/Disable marker packet on interface
enable	Enable/Disable marker packet on interface

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-eth-port-channel /exec/configure/if-ethernet-all

ttag-marker enable

[no] ttag-marker enable

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-marker	Enable/Disable marker packet on interface
enable	Enable/Disable marker packet on interface

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ttag-strip

[no] ttag-strip

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag-strip	strip ttag from egress packet on this interface

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ttag

[no] ttag

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag	hardware ttag timestamp

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ttag

[no] ttag

Syntax Description

no	(Optional) Negate a command or set its defaults
ttag	enable ingress packet with outer ttag on this interface

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ttl-security hops

ttl-security hops <ebgp-ttl> | { no | default } ttl-security hops [<ebgp-ttl>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
ttl-security	Enable TTL Security Mechanism
hops	Specify hop count for remote peer
<i>ebgp-ttl</i>	EBGP hop count value

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

ttl

```
{ [ no ] ttl <ttl> }
```

Syntax Description

ttl	TTL value
<i>ttl</i>	TTL value to be configured

Command Mode

- /exec/configure/config-int-clone-md-sink-collector

tunnel-encryption

[no] tunnel-encryption

Syntax Description

no	(Optional) Negate a command or set its defaults
tunnel-encryption	Configure Tunnel Encryption

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

tunnel-encryption icv

[no] tunnel-encryption icv

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
icv	Enable Tunnel-Encryption ICV Check

Command Mode

- /exec/configure

tunnel-encryption must-secure-policy

[no] tunnel-encryption must-secure-policy

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
must-secure-policy	Configure Tunnel Encryption Must-secure Global policy

Command Mode

- /exec/configure

tunnel-encryption peer-ip

[no] tunnel-encryption peer-ip <peer_ipaddress_v4>

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
peer-ip	configuration for peer
<i>peer_ipaddress_v4</i>	IP Address in format A.B.C.D

Command Mode

- /exec/configure

tunnel-encryption pki source-interface

[no] tunnel-encryption pki source-interface { <interface> | cloudsec-loopback }

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
pki	Enable autokeying
source-interface	Tunnel-Encryption source interface associated with pki
<i>interface</i>	
cloudsec-loopback	Use tunnel-encryption loopback

Command Mode

- /exec/configure

tunnel-encryption pki sudi

```
[no] tunnel-encryption pki { sudi | trustpoint <trustpoint_name> }
```

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
pki	Enable autokeying
sudi	Use SUDI certificates for Autokeying
trustpoint	Trustpoint label for SSL certificate
<i>trustpoint_name</i>	Trustpoint label

Command Mode

- /exec/configure

tunnel-encryption policy

[no] tunnel-encryption policy <policy_name>

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
policy	Configure Tunnel Encryption policy
<i>policy_name</i>	Name of Policy

Command Mode

- /exec/configure

tunnel-encryption sak-rekey

[no] tunnel-encryption sak-rekey { all | [peer-ip <peer_ipaddress_v4>] }

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
sak-rekey	Trigger SAK rekey
all	Trigger SAK rekey for all Active peers
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D

Command Mode

- /exec

tunnel-encryption source-interface

[no] tunnel-encryption source-interface <interface>

Syntax Description

tunnel-encryption	Configure Tunnel Encryption
source-interface	Tunnel-Encryption source interface associated with the module
<i>interface</i>	

Command Mode

- /exec/configure

tunnel-profile

[no] tunnel-profile { <profile-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
tunnel-profile	Specify name of the static tunnel profile
<i>profile-name</i>	Name of the Tunnel Profile

Command Mode

- /exec/configure

tunnel destination

tunnel destination { { <ip-addr> | <ip-prefix> | { <ip-addr> <ip-mask> } } | <ipv6-addr> } | no tunnel destination [<ip-addr> | <ip-prefix> | { <ip-addr> <ip-mask> } | <ipv6-addr>]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
destination	destination of tunnel packets
<i>ip-addr</i>	IPv4 address (A.B.C.D)
<i>ip-prefix</i>	IPv4 mask (A.B.C.D/LEN)
<i>ip-mask</i>	IPv4 mask A.B.C.D

Command Mode

- /exec/configure/if-gre-tunnel

tunnel mode

tunnel mode { { gre [ip | ipv6] } | { ipip [ip | ipv6] } | { ipip decapsulate-any [ip | ipv6] } | { ipv6ip [decapsulate-any] } | { ipv6ipv6 [decapsulate-any] } } | no tunnel mode

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
mode	tunnel encapsulation method
gre	generic route encapsulation protocol
ipip	IP in IP protocol
decapsulate-any	decapsulate any
ip	(Optional) over IP
ipv6	(Optional) over IPv6
ipv6ip	IPv6 in IPv4 protocol
ipv6ipv6	IPv6 in IPv6 protocol

Command Mode

- /exec/configure/if-any-tunnel

tunnel path-mtu-discovery

[no] tunnel path-mtu-discovery

Syntax Description

no	(Optional) Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
path-mtu-discovery	Enable Path MTU Discovery on tunnel

Command Mode

- /exec/configure/if-any-tunnel

tunnel path-mtu-discovery age-timer

tunnel path-mtu-discovery age-timer { <age-time> | infinite } | no tunnel path-mtu-discovery age-timer [{ <age-time> | infinite }]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
path-mtu-discovery	Enable Path MTU Discovery on tunnel
age-timer	Set PMTUD aging timer
<i>age-time</i>	Aging time
infinite	Disable pathmtu aging timer

Command Mode

- /exec/configure/if-any-tunnel

tunnel path-mtu-discovery min-mtu

tunnel path-mtu-discovery min-mtu <mtu> | no tunnel path-mtu-discovery min-mtu [<mtu>]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
path-mtu-discovery	Enable Path MTU Discovery on tunnel
min-mtu	Min pmtud mtu allowed
<i>mtu</i>	Bytes

Command Mode

- /exec/configure/if-any-tunnel

tunnel source

tunnel source { <intf> | <ip-prefix> | { <ip-addr> [<ip-mask>] } | <ipv6-addr> | direct } | no tunnel source
 [<intf> | <ip-prefix> | { <ip-addr> [<ip-mask>] } | <ipv6-addr> | direct]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
source	source of tunnel packets
<i>intf</i>	interface
<i>ip-addr</i>	IPv4 address (A.B.C.D)
<i>ip-prefix</i>	IPv4 address (A.B.C.D/LEN)
<i>ip-mask</i>	(Optional) IPv4 mask A.B.C.D
direct	all directly connected IP

Command Mode

- /exec/configure/if-gre-tunnel

tunnel ttl

tunnel ttl <ttl_val> | no tunnel ttl [<ttl_val>]

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
ttl	set time to live
<i>ttl_val</i>	time to live value

Command Mode

- /exec/configure/if-any-tunnel

tunnel use-vrf

```
tunnel use-vrf { <vrf-name> | <vrf-known-name> } | no tunnel use-vrf [ { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

no	Negate a command or set its defaults
tunnel	protocol-over-protocol tunneling
use-vrf	set tunnel vrf membership
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/if-any-tunnel

type

[no] type <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
type	Type values as in fc-gs-3 standard
<i>i0</i>	Platform type number

Command Mode

- /exec/configure/fcs-register/attrib

type IGP

[no] type IGP

Syntax Description

no	(Optional) Negate a command or set its defaults
type	Dynamic path-option metric type
IGP	Use IGP metric

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/dyn/metric

type IGP

[no] type IGP

Syntax Description

no	(Optional) Negate a command or set its defaults
type	Dynamic path-option metric type
IGP	Use IGP metric

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/dyn/metric

type layer4-7

[no] type layer4-7

Syntax Description

no	(Optional) Negate a command or set its defaults
type	Type of Security-group
layer4-7	Set the security-group as an layer4-7 type

Command Mode

- /exec/configure/security-group

type link

[no] type { link | node }

Syntax Description

no	(Optional) Negate a command or set its defaults
type	Configure Disjointness type
link	Link Disjointness
node	Node Disjointness

Command Mode

- /exec/configure/sr/te/color/cndpaths/pref/constraint/assoc/type-disj

type link

[no] type { link | node }

Syntax Description

no	(Optional) Negate a command or set its defaults
type	Configure Disjointness type
link	Link Disjointness
node	Node Disjointness

Command Mode

- /exec/configure/sr/te/pol/cndpaths/pref/constraint/assoc/type-disj



U Commands

- [ucs-infra ipv6-mgmt-ip](#), on page 5395
- [udf](#), on page 5396
- [udf mpls stack1](#), on page 5397
- [udf netflow-rtp](#), on page 5398
- [udld aggressive](#), on page 5399
- [udld aggressive](#), on page 5400
- [udld aggressive](#), on page 5401
- [udld aggressive](#), on page 5402
- [udld disable](#), on page 5403
- [udld disable](#), on page 5404
- [udld enable](#), on page 5405
- [udld enable](#), on page 5406
- [udld message-time](#), on page 5407
- [udld reset](#), on page 5408
- [udp-echo](#), on page 5409
- [udp-jitter](#), on page 5410
- [undebg all](#), on page 5412
- [undebg l2rib](#), on page 5413
- [unidirectional send](#), on page 5414
- [uniq](#), on page 5415
- [unmount](#), on page 5416
- [unmount slot0](#), on page 5417
- [unsuppress-map](#), on page 5418
- [untagged cos](#), on page 5419
- [update-source](#), on page 5420
- [update-source](#), on page 5421
- [update license](#), on page 5422
- [update license](#), on page 5423
- [use-chunking size](#), on page 5424
- [use-compression gzip](#), on page 5425
- [use-compression gzip](#), on page 5426
- [use-nodeid](#), on page 5427
- [use-nodeid](#), on page 5428

- [use-nodeid](#), on page 5429
- [use-retry size](#), on page 5430
- [use-vrf](#), on page 5431
- [use-vrf](#), on page 5432
- [use-vrf](#), on page 5433
- [use-vrf](#), on page 5434
- [use-vrf](#), on page 5435
- [user-jid password](#), on page 5436
- [user max-logins](#), on page 5437
- [user max-logins](#), on page 5438
- [username](#), on page 5439
- [username](#), on page 5440
- [username](#), on page 5441
- [username](#), on page 5443
- [username keypair export](#), on page 5444
- [username keypair generate](#), on page 5445
- [username keypair import](#), on page 5446
- [username passphrase](#), on page 5447
- [username passphrase](#), on page 5448
- [username password](#), on page 5449
- [username ssh-cert-dn dsa](#), on page 5450
- [username sshkey](#), on page 5451
- [userpassphrase](#), on page 5452
- [userpassphrase](#), on page 5453
- [userpassphrase](#), on page 5454
- [userpassphrase min-unique](#), on page 5455
- [userpassphrase min-unique](#), on page 5456
- [userpassphrase min](#), on page 5457
- [userpassphrase min](#), on page 5458
- [userpassphrase sequence alphabet](#), on page 5459
- [userpassphrase sequence alphabet length](#), on page 5460
- [userpassphrase sequence keyboard](#), on page 5461
- [userpassphrase sequence keyboard length](#), on page 5462
- [userprofile trustedCert CRLLookup user-switch-bind user-certdn-match user-pubkey-match attribute-name search-filter base-DN](#), on page 5463

ucs-infra ipv6-mgmt-ip

```
ucs-infra ipv6-mgmt-ip <ipv6_address> [ infra-vlan <infra_vlan_id> ] [ adaptor-vlan <adaptor_vlan_id> ] [
epds-port <epds_port_no> ] | no ucs-infra
```

Syntax Description

no	Negate a command or set its defaults
ucs-infra	Configure VLAN id and IPV6 address
ipv6-mgmt-ip	Mgmt Ipv6 Address
infra-vlan	(Optional) Infra Vlan ID
<i>infra_vlan_id</i>	(Optional) Vlan ID
adaptor-vlan	(Optional) Adaptor Vlan ID
<i>adaptor_vlan_id</i>	(Optional) Vlan ID
epds-port	(Optional) epds port number
<i>epds_port_no</i>	(Optional) EPDS NO

Command Mode

- /exec/configure

udf

```
udf <udf_name> { packet-start | { header { outer | inner } { 13 | 14 } } } <offset> <length> | no udf <udf_name>
[ { packet-start | { header { outer | inner } { 13 | 14 } } } <offset> <length> ]
```

Syntax Description

no	Negate the command
udf	Define the User Defined Field (UDF)
<i>udf_name</i>	Name of the UDF to configure
packet-start	Offset base from packet-start
header	Offset base configuration
outer	Offset base: from outer header
inner	Offset base: from inner header
13	Offset base: from 13 header
14	Offset base: from 14 header
<i>offset</i>	Enter Offset in bytes for UDF (from offset base)
<i>length</i>	Enter Length in bytes for UDF (from offset)

Command Mode

- /exec/configure

udf mpls stack1

udf <udf_name> mpls { stack1 | stack2 } | no udf <udf_name> [mpls]

Syntax Description

no	Negate the command
udf	Define the User Defined Field (UDF)
<i>udf_name</i>	Name of the UDF to configure
mpls	Configure UDF for MPLS (Not supported in SVI scenarios)
stack1	Configure UDF for first level (inner) of MPLS encapsulation
stack2	Configure UDF for second level (outer) of MPLS encapsulation

Command Mode

- /exec/configure

udf netflow-rtp

```
udf <udf_name> netflow-rtp [ multicast ] | no udf <udf_name> [ netflow-rtp [ multicast ] ]
```

Syntax Description

no	Negate the command
udf	Define the User Defined Field (UDF)
<i>udf_name</i>	Name of the UDF to configure
netflow-rtp	Configure netflow rtp udf
multicast	(Optional) Enable RTP for multicast-flows

Command Mode

- /exec/configure

udld aggressive

[no] udld aggressive

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
aggressive	Enable UDLD aggressive mode for interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld aggressive

udld aggressive

Syntax Description

udld	UDLD protocol
aggressive	Enable UDLD aggressive mode on all fiber optic ports

Command Mode

- /exec/configure

udld aggressive

[no] udld aggressive

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
aggressive	Enable UDLD aggressive mode on all fiber optic ports

Command Mode

- /exec/configure

udld aggressive

udld aggressive

Syntax Description

udld	UDLD protocol
aggressive	Enable UDLD aggressive mode for interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld disable

[no] udld disable

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
disable	Disable UDLD for fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld disable

udld disable

Syntax Description

udld	UDLD protocol
disable	Disable UDLD for fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld enable

[no] udld enable

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
enable	Enable UDLD for non-fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld enable

udld enable

Syntax Description

udld	UDLD protocol
enable	Enable UDLD for non-fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld message-time

udld message-time <i0> | no udld message-time

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
message-time	Setting the time in seconds between UDLD probe messages
<i>i0</i>	Enter the message timer value [default = 15]

Command Mode

- /exec/configure

udld reset

udld reset

Syntax Description

udld	UDLD protocol
reset	Reset all ports shut down by UDLD

Command Mode

- /exec/configure

udp-echo

```
[no] udp-echo { <hostname> | <ip-address> } <port> { [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <source-port-number> ] } +
```

Syntax Description

<i>control</i>	(Optional) enable
<i>source-ip</i>	(Optional) <source-ip-hostname>
<i>source-port</i>	(Optional) <source-port-number>
no	(Optional)
udp-echo	UDP Echo Operation
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>port</i>	Port Number (Recommended port range between 1025-65534)
enable	(Optional) Enable control packets exchange (default)
disable	(Optional) Disable control packets exchange
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
<i>source-port-number</i>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

udp-jitter

```
[no] udp-jitter { <hostname> | <ip-address> } <dest-port> { { [ codec { g711alaw | g711ulaw | g729a } { [ advantage-factor <advantage-num> ] [ codec-interval <codec-int> ] [ codec-numpackets <codec-numpack> ] [ codec-size <codec-bytes> ] } } + } [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] } + | { [ interval <packet-interval> ] [ num-packets <num-packets> ] [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] } } + }
```

Syntax Description

no	(Optional)
<i>codec</i>	(Optional) g711alaw
<i>codec-numpackets</i>	(Optional) <codec-numpack>
<i>source-port</i>	(Optional) <src-port>
<i>num-packets</i>	(Optional) <num-packets>
<i>source-ip</i>	(Optional) <source-ip-hostname>
udp-jitter	UDP Jitter Operation
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>dest-port</i>	Port Number (Recommended port range between 1025-65534)
g711alaw	(Optional) G.711 A Law 64000 bps
g711ulaw	(Optional) G.711 U Law 64000 bps
g729a	(Optional) G.729 8000 bps
advantage-factor	(Optional) Advantage Factor
codec-interval	(Optional) Inter Packet Interval
codec-size	(Optional) Number of bytes in payload
<i>advantage-num</i>	(Optional) Advantage Factor
<i>codec-int</i>	(Optional) Delay
<i>codec-numpack</i>	(Optional) Number of Packets
<i>codec-bytes</i>	(Optional) Number of bytes in payload
<i>packet-interval</i>	(Optional) Delay (default 20)
<i>num-packets</i>	(Optional) Number of Packets (default 10)

interval	(Optional) Inter Packet Interval
control	(Optional) Enable or disable control packets
enable	(Optional) Enable control packets exchange (default)
disable	(Optional) Disable control packets exchange
source-ip	(Optional) Source address
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
source-port	(Optional) Source Port
<i>src-port</i>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

undebg all

undebg all

Syntax Description

undebg	Disable Debugging functions (See also debug)
all	Disable all debugging

Command Mode

- /exec

undebg l2rib

undebg l2rib

Syntax Description

undebg	Disable Debugging functions (See also debug)
l2rib	L2RIB debug commands

Command Mode

- /exec

unidirectional send

unidirectional { send-only | receive-only } | no unidirectional [send-only | receive-only]

Syntax Description

no	Negate a command or set its defaults
unidirectional	UDE (Uni-Directional Ethernet)
send-only	Configure UDE TX only for the interface
receive-only	Configure UDE RX only for the interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

uniq

| uniq [-c | -d | -f <nb-of-fields> | -s <nb-of-chars> | -u | -w <nb-chars-to-compare> | -i] +

Syntax Description

	Pipe command output to filter
uniq	Discard all but one of successive identical lines
-c	(Optional) prefix lines by the number of occurrences
-d	(Optional) only print duplicate lines
-f	(Optional) avoid comparing the first N fields
-s	(Optional) avoid comparing the first N characters
-u	(Optional) only print unique lines
-w	(Optional) compare no more than N characters in lines
-i	(Optional) ignore differences in case when comparing
<i>nb-of-fields</i>	(Optional) number of initial fields to ignore
<i>nb-of-chars</i>	(Optional) number of initial chars to ignore
<i>nb-chars-to-compare</i>	(Optional) max number of chars to compare

Command Mode

- /output

unmount

unmount { usb1: | usb2: }

Syntax Description

unmount	unmount expansion flash or USB storage
usb1:	Unmount USB drive in port 1
usb2:	Unmount USB drive in port 2

Command Mode

- /exec

unmount slot0

unmount slot0:

Syntax Description

unmount	unmount expansion flash or USB storage
slot0:	Unmount expansion flash

Command Mode

- /exec

unsuppress-map

unsuppress-map <unsupp-rmap-name> | { no | default } unsuppress-map [<unsupp-rmap-name>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
unsuppress-map	Route-map to selectively unsuppress suppressed routes
<i>unsupp-rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

untagged cos

untagged cos <ucos-value> | no untagged cos

Syntax Description

no	Negate a command or set its defaults
untagged	default to use for untagged packets on interface
cos	IEEE 802.1Q class of service for QoS classification
<i>ucos-value</i>	COS value

Command Mode

- /exec/configure/if-set-qos

update-source

update-source <interface> | no update-source

Syntax Description

no	Negate a command or set its defaults
update-source	Specify source of BMP session and messages
<i>interface</i>	Interface name

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

update-source

update-source <interface> | { no | default } update-source [<interface>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
update-source	Specify source of BGP session and updates
<i>interface</i>	Interface name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

update license

```
update license <uri0> { <license-file> [ force ] | <s0> }
```

Syntax Description

update	Update license
license	Update a license file
<i>uri0</i>	Specify URL for the new license file
<i>license-file</i>	License file to be updated
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s0</i>	License file to be updated

Command Mode

- /exec

update license

```
update license <uri0> { <license-file> [ force ] | <s0> }
```

Syntax Description

update	Update license
license	Update a license file
<i>uri0</i>	Specify URL for the new license file
<i>license-file</i>	License file to be updated
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s0</i>	License file to be updated

Command Mode

- /exec

use-chunking size

use-chunking size <kbytes> | no use-chunking

Syntax Description

no	Negate a command or set its defaults
use-chunking	Enable chunking
size	Chunk size
<i>kbytes</i>	Specify chunking size in kilobytes

Command Mode

- /exec/configure/telemetry/destination-group

use-compression gzip

use-compression { gzip } | no use-compression

Syntax Description

no	Negate a command or set its defaults
use-compression	Specify the destination compression method
gzip	GZIP compression algorithm

Command Mode

- /exec/configure/telemetry/destination-profile

use-compression gzip

use-compression { gzip } | no use-compression

Syntax Description

no	Negate a command or set its defaults
use-compression	Specify the destination compression method
gzip	GZIP compression algorithm

Command Mode

- /exec/configure/telemetry/destination-group

use-nodeid

use-nodeid <nodeid> | no use-nodeid

Syntax Description

no	Negate a command or set its defaults
use-nodeid	Set the node ID
<i>nodeid</i>	Node ID

Command Mode

- /exec/configure/telemetry/destination-group/addr

use-nodeid

use-nodeid <nodeid> | no use-nodeid

Syntax Description

no	Negate a command or set its defaults
use-nodeid	Set the node ID (Max size 128)
<i>nodeid</i>	Node ID (Max size 128)

Command Mode

- /exec/configure/telemetry/destination-profile

use-nodeid

use-nodeid <nodeid> | no use-nodeid

Syntax Description

no	Negate a command or set its defaults
use-nodeid	Set the node ID
<i>nodeid</i>	Node ID

Command Mode

- /exec/configure/telemetry/destination-group/host

use-retry size

use-retry size <mbytes> | no use-retry

Syntax Description

no	Negate a command or set its defaults
use-retry	Specify send retry details
size	Retry buffer size
<i>mbytes</i>	Buffer size in Mega bytes

Command Mode

- /exec/configure/telemetry/destination-profile

use-vrf

use-vrf { default | <vrf-cfg-name> } | no use-vrf

Syntax Description

no	Negate a command or set its defaults
use-vrf	Specify the destination vrf
default	Known VRF name
<i>vrf-cfg-name</i>	Configurable VRF name

Command Mode

- /exec/configure/telemetry/destination-profile

use-vrf

[no] use-vrf { management | default | <vrf_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
use-vrf	vrf to be used to contact servers in this group
management	management vrf
default	default vrf
<i>vrf_name</i>	name of the vrf

Command Mode

- /exec/configure/tacacs+

use-vrf

use-vrf { default | <vrf-cfg-name> } | no use-vrf

Syntax Description

no	Negate a command or set its defaults
use-vrf	Specify the destination vrf
default	Known VRF name
<i>vrf-cfg-name</i>	Configurable VRF name

Command Mode

- /exec/configure/telemetry/destination-group

use-vrf

[no] use-vrf { <vrf-name> | <vrf-known-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
use-vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/ldap

use-vrf

[no] use-vrf { management | default | <vrf_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
use-vrf	vrf to be used to contact servers in this group
management	management vrf
default	default vrf
<i>vrf_name</i>	name of the vrf

Command Mode

- /exec/configure/radius

user-jid password

[no] user-jid <jid> password [0 <clear> | 7 <encrypted> | <password>]

Syntax Description

no	(Optional) Negate a command or set its defaults
user-jid	User Jabber ID
<i>jid</i>	Enter user Jabber ID
password	Password
0	(Optional) Password that follows should be in clear text
<i>clear</i>	(Optional) Password in clear text
7	(Optional) Password that follows should be in encrypted text
<i>encrypted</i>	(Optional) Encrypted password
<i>password</i>	(Optional) Enter password in clear text

Command Mode

- /exec/configure/fabric-db/server-xmpp

user max-logins

user max-logins <limit>

Syntax Description

user	Configure system-wide user settings
max-logins	maximum simultaneous logins
<i>limit</i>	login session maximum

Command Mode

- /exec/configure

user max-logins

[no] user max-logins [<limit>]

Syntax Description

no	Negate a command or set its defaults
user	Configure system-wide user settings
max-logins	maximum simultaneous logins
<i>limit</i>	(Optional) login session maximum

Command Mode

- /exec/configure

username

```
{ username <s0> { shelltype { vsh | bash } } }
```

Syntax Description

username	Configure user information.
<i>s0</i>	user name
shelltype	Choose shell type for login
vsh	use vsh shell
bash	use bash shell

Command Mode

- /exec/configure

username

```
{ [ no ] username <name> }
```

Syntax Description

username	user name
<i>name</i>	user name

Command Mode

- /exec/configure/dot1x-cred

username

```
{ username <s0> [ password { 0 <s2> [ pbkdf2 | scrypt ] | 5 <s3> | <s4> [ pbkdf2 | scrypt ] | 8 <s9> | 9 <s10>
} ] [ expire <s5> [ past ] ] [ role <s6> ] } | { username <s0> [ password { 0 <s2> [ pbkdf2 | scrypt ] | 5 <s3>
| <s4> [ pbkdf2 | scrypt ] | 8 <s9> | 9 <s10> } ] [ role <s6> ] [ expire <s5> [ past ] ] } | { username <s0> [
expire <s5> [ past ] ] [ password { 0 <s2> [ pbkdf2 | scrypt ] | 5 <s3> | <s4> [ pbkdf2 | scrypt ] | 8 <s9> | 9
<s10> } ] [ role <s6> ] } | { username <s0> [ expire <s5> [ past ] ] [ role <s6> ] [ password { 0 <s2> [ pbkdf2
| scrypt ] | 5 <s3> | <s4> [ pbkdf2 | scrypt ] | 8 <s9> | 9 <s10> } ] } | { username <s0> [ role <s6> ] [ password
{ 0 <s2> [ pbkdf2 | scrypt ] | 5 <s3> | <s4> [ pbkdf2 | scrypt ] | 8 <s9> | 9 <s10> } ] [ expire <s5> [ past ] ] }
| { username <s0> [ role <s6> ] [ expire <s5> [ past ] ] [ password { 0 <s2> [ pbkdf2 | scrypt ] | 5 <s3> | <s4>
[ pbkdf2 | scrypt ] | 8 <s9> | 9 <s10> } ] } | { no username <s7> [ role <s8> ] [ force ] }
```

Syntax Description

no	Negate a command or set its defaults
username	Configure user information.
s0	user name
password	(Optional) Password for the user
0	(Optional) Indicates that the password that follows should be in clear text
s2	(Optional) Password for the user (clear text)
5	(Optional) Indicates that the password that follows should be encrypted
s3	(Optional) strongly encrypted password
s4	(Optional) Password for the user (clear text)
expire	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
s5	(Optional) Expiry in YYYY-MM-DD format
past	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
role	(Optional) role which the user is to be assigned to
s6	(Optional) role name
s7	user name
s8	(Optional) role name
8	(Optional) Indicates that the password that follows is pbkdf2(type 8) hashed
s9	(Optional) strongly encrypted password
9	(Optional) Indicates that the password that follows is scrypt(type 9) hashed

<i>s10</i>	(Optional) strongly encrypted password
pbkdf2	(Optional) generate hash for password with pbkdf2(type 8)
scrypt	(Optional) generate hash for password with scrypt(type 9)
force	(Optional) Force the user delete

Command Mode

- /exec/configure

username

```
[no] username <s0> { sshkey2 { file <uri0> | <line> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
username	Configure user information.
<i>s0</i>	user name
sshkey2	Update ssh key for the user for ssh authentication
file	ssh key file
<i>uri0</i>	file containing host public key for the user
<i>line</i>	ssh key for the user

Command Mode

- /exec/configure

username keypair export

```
{ username <s0> keypair export <s1> { dsa | rsa | ecdsa } [ force ] }
```

Syntax Description

username	Configure user information.
keypair	Use existing ssh keypair
export	Export keypair to Bootflash/Remote directory
force	(Optional) Force the export of keys even if the destination files are present
dsa	Use DSA Keys
rsa	Use RSA Keys
ecdsa	Use ECDSA Keys
<i>s0</i>	user name
<i>s1</i>	Enter filename to export to

Command Mode

- /exec/configure

username keypair generate

```
{ username <s0> keypair generate { dsa [ force ] | rsa [ <i0> | <oldrange> ] [ force ] | ecdsa { <i0> } [ force ] } | no username <s0> keypair generate [ { dsa [ force ] | rsa [ <i0> | <oldrange> ] [ force ] | ecdsa [ { <i0> } [ force ] ] ] }
```

Syntax Description

no	Negate a command or set its defaults
username	Configure user information.
s0	user name
generate	Generate ssh key pairs
keypair	Generate SSH User Keys
dsa	Generate DSA keys
force	(Optional) Force the generation of keys even if previous ones are present
rsa	Generate RSA keys
i0	(Optional) Enter number of bits (in multiples of 8)
oldrange	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ecdsa	Generate ECDSA keys
i0	Enter key size in bits (256, 384 or 521)
force	(Optional) Force the generation of keys even if previous ones are present

Command Mode

- /exec/configure

username keypair import

```
{ username <s0> keypair import <s1> { dsa | rsa | ecdsa } [ force ] }
```

Syntax Description

username	Configure user information.
keypair	Use existing ssh keypair
import	Import keypair from Bootflash/Remote directory
force	(Optional) Force the generation of keys even if previous ones are present
dsa	Use DSA Keys
rsa	Use RSA Keys
ecdsa	Use ECDSA Keys
<i>s0</i>	user name
<i>s1</i>	Enter filename to import

Command Mode

- /exec/configure

username passphrase

```
[no] username <username> passphrase { lifetime [ warntime [ gracetime | timevalues ] | gracetime [ warntime | timevalues ] | timevalues ] | warntime [ lifetime [ gracetime | timevalues ] | gracetime [ lifetime | timevalues ] | timevalues ] | gracetime [ lifetime [ warntime | timevalues ] | warntime [ lifetime | timevalues ] | timevalues ] | timevalues }
```

Syntax Description

no	Negate a command or set its defaults
username	Configure user information.
<i>username</i>	user name
passphrase	user passphrase
lifetime	user passphrase lifetime
warntime	(Optional) user passphrase warningtime
gracetime	(Optional) user passphrase gracetime
timevalues	(Optional) passphrase lifetime, warningtime and gracetime

Command Mode

- /exec/configure

username passphrase

username <username> passphrase { lifetime <ltime> | warntime <wtime> | gracetime <gtime> } +

Syntax Description

username	Configure user information.
<i>username</i>	user name
passphrase	user passphrase
lifetime	user passphrase lifetime
<i>ltime</i>	lifetime of passphrase (in days)
warntime	user passphrase warningtime
<i>wtime</i>	warning period of passphrase (in days)
gracetime	user passphrase gracetime
<i>gtime</i>	grace period of passphrase (in days)

Command Mode

- /exec/configure

username password

[no] username <user> password { 0 <pass1> | 5 <pass2> | <pass3> }

Syntax Description

no	(Optional) Negate a command or set its defaults
username	Configure user name
<i>user</i>	Username
password	Password for user
0	Indicates that the password that follows should be in clear text
<i>pass1</i>	Password for the user (clear text)
5	Indicates that the password that follows should be encrypted
<i>pass2</i>	strongly encrypted password
<i>pass3</i>	Password for the user (clear text)

Command Mode

- /exec/configure/vmt-conn

username ssh-cert-dn dsa

[no] username <s1> ssh-cert-dn <s2> { dsa | rsa }

Syntax Description

no	(Optional) Negate a command or set its defaults
username	Configure user information.
<i>s1</i>	user name
ssh-cert-dn	Update cert dn
<i>s2</i>	distinguished name to be used
dsa	Use dsa algorithm
rsa	Use rsa algorithm

Command Mode

- /exec/configure

username sshkey

```
{ username <s0> sshkey { file <uri0> | <line> } | no username <s0> sshkey }
```

Syntax Description

username	Configure user information.
<i>s0</i>	user name
sshkey	Update ssh key for the user for ssh authentication
file	ssh key file
<i>uri0</i>	file containing host public key for the user
<i>line</i>	ssh key for the user
no	Negate a command or set its defaults

Command Mode

- /exec/configure

userpassphrase

[no] userpassphrase { default-lifetime | default-warntime | default-gracetime | timevalues }

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
default-lifetime	passphrase default lifetime
default-warntime	passphrase default warningtime
default-gracetime	passphrase default gracetime
timevalues	passphrase lifetime, warning time and gracetime

Command Mode

- /exec/configure

userpassphrase

[no] userpassphrase { min-length | max-length | length }

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
length	passphrase min and max length

Command Mode

- /exec/configure

userpassphrase

```
userpassphrase { default-lifetime <def-ltime> | default-warntime <def-wtime> | default-gracetime <def-gtime>
} +
```

Syntax Description

userpassphrase	user passphrase
default-lifetime	passphrase default lifetime in days
default-warntime	passphrase default warning time in days
default-gracetime	passphrase default gracetime in days
<i>def-ltime</i>	default lifetime of passphrase (in days)
<i>def-wtime</i>	default warning time of passphrase (in days)
<i>def-gtime</i>	default grace time of passphrase (in days)

Command Mode

- /exec/configure

userpassphrase min-unique

userpassphrase min-unique { <count> }

Syntax Description

userpassphrase	User passphrase
min-unique	Count for the number of passwords that cannot be reused
<i>count</i>	Previous password count

Command Mode

- /exec/configure

userpassphrase min-unique

[no] userpassphrase min-unique

Syntax Description

no	Negate a command or set its defaults
userpassphrase	User passphrase
min-unique	Count for the number of previous passwords that cannot be reused

Command Mode

- /exec/configure

userpassphrase min

userpassphrase { min-length <min-len> | max-length <max-len> } +

Syntax Description

userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
<i>min-len</i>	minimum length of passphrase
<i>max-len</i>	maximum length of passphrase

Command Mode

- /exec/configure

userpassphrase min

[no] userpassphrase { min-length <min-len> | max-length <max-len> } +

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
<i>min-len</i>	minimum length of passphrase
<i>max-len</i>	maximum length of passphrase

Command Mode

- /exec/configure

userpassphrase sequence alphabet

[no] userpassphrase sequence alphabet

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
sequence	control character sequences in passphrases
alphabet	control runs of sequential alphabetical characters

Command Mode

- /exec/configure

userpassphrase sequence alphabet length

userpassphrase sequence alphabet length { <max-length> }

Syntax Description

userpassphrase	user passphrase
sequence	control character sequences in passphrases
alphabet	control runs of sequential alphabetical characters
length	maximum number of sequential characters
<i>max-length</i>	Number of sequential characters

Command Mode

- /exec/configure

userpassphrase sequence keyboard

[no] userpassphrase sequence keyboard

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
sequence	control character sequences in passphrases
keyboard	control runs of sequential keyboard characters

Command Mode

- /exec/configure

userpassphrase sequence keyboard length

userpassphrase sequence keyboard length { <max-length> }

Syntax Description

userpassphrase	user passphrase
sequence	control character sequences in passphrases
keyboard	control runs of sequential keyboard characters
length	maximum number of sequential characters
<i>max-length</i>	Number of sequential characters

Command Mode

- /exec/configure

userprofile trustedCert CRLLookup user-switch-bind user-certdn-match user-pubkey-match attribute-name search-filter base-DN

{ userprofile | trustedCert | CRLLookup | user-switch-bind | user-certdn-match | user-pubkey-match }
attribute-name <s0> search-filter <s1> base-DN <s2>

Syntax Description

userprofile	Set the userprofile
trustedCert	Set the trustedCert
CRLLookup	Set the CRLLookup
user-switch-bind	Set the user-switch-bind
user-certdn-match	Set the certificate matching
user-pubkey-match	Set the pubkey matching
attribute-name	LDAP attribute-name
<i>s0</i>	Search Map attribute-name
search-filter	LDAP search-filter
<i>s1</i>	Search Map search-filter
base-DN	LDAP base-DN
<i>s2</i>	Search Map base-DN Name

Command Mode

- /exec/configure/ldap/search

userprofile trustedCert CRLLookup user-switch-bind user-certdn-match user-pubkey-match attribute-name search-filter base-DN



V Commands

- vdc, on page 5468
- vdc, on page 5469
- vdc combined-hostname, on page 5470
- vdc suspend, on page 5471
- vdc suspend, on page 5472
- vdp dot1q default static, on page 5473
- vdp dot1q static, on page 5474
- vdp vni default static, on page 5475
- vdp vni static, on page 5476
- verify-data, on page 5477
- verify-host, on page 5478
- verify, on page 5479
- verify profile, on page 5480
- verify verbose, on page 5481
- version 9, on page 5482
- virtual-rmac, on page 5483
- virtual-service, on page 5484
- virtual-service move name log to, on page 5485
- virtual-service reset force, on page 5486
- virtual IPv6, on page 5487
- virtual ip, on page 5488
- virtual peer-link destination source, on page 5489
- vlan-consistency-check, on page 5490
- vlan-pruning enable, on page 5491
- vlan, on page 5492
- vlan2, on page 5493
- vlan access-map, on page 5494
- vlan add, on page 5495
- vlan configuration, on page 5496
- vlan designated priority, on page 5497
- vlan root priority, on page 5498
- vmtracker connection, on page 5499
- vmtracker connection refresh, on page 5500

- [vmtracker enable](#), on page 5501
- [vmtracker fabric auto-config](#), on page 5502
- [vn-segment](#), on page 5503
- [vni](#), on page 5504
- [vni](#), on page 5505
- [vni](#), on page 5506
- [vni default dynamic](#), on page 5507
- [vni l2](#), on page 5508
- [vp-group](#), on page 5509
- [vp add interface](#), on page 5510
- [vp move interface group](#), on page 5511
- [vpc](#), on page 5512
- [vpc domain](#), on page 5513
- [vpc orphan-port suspend](#), on page 5514
- [vpc peer-link](#), on page 5515
- [vpc role preempt](#), on page 5516
- [vpn](#), on page 5517
- [vpn id](#), on page 5518
- [vrf](#), on page 5519
- [vrf](#), on page 5520
- [vrf](#), on page 5521
- [vrf](#), on page 5522
- [vrf](#), on page 5523
- [vrf](#), on page 5524
- [vrf](#), on page 5525
- [vrf](#), on page 5526
- [vrf](#), on page 5527
- [vrf](#), on page 5528
- [vrf](#), on page 5529
- [vrf](#), on page 5530
- [vrf](#), on page 5531
- [vrf](#), on page 5532
- [vrf context](#), on page 5533
- [vrf default static](#), on page 5534
- [vrf member](#), on page 5535
- [vrf member](#), on page 5536
- [vrf member](#), on page 5537
- [vrf static](#), on page 5538
- [vrrp](#), on page 5539
- [vrrp bfd](#), on page 5540
- [vrrpv2](#), on page 5541
- [vrrpv3](#), on page 5542
- [vrrpv3 address-family](#), on page 5543
- [vrrpv3 address-family](#), on page 5544
- [vrrs leader](#), on page 5545
- [vrrs pathway](#), on page 5546

- [vsh](#), on page 5547
- [vtp](#), on page 5548
- [vtp domain](#), on page 5549
- [vtp file](#), on page 5550
- [vtp password](#), on page 5551
- [vtp pruning](#), on page 5552
- [vtp version](#), on page 5553

vdc

[no] vdc <e-vdc> [force]

Syntax Description

no	Negate a command or set its defaults
vdc	Manage Virtual Device Context
<i>e-vdc</i>	Enter Virtual Device Context <vdc-id>
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

vdc

vdc <e-vdc> [id <new_id>] [type <vtype>]

Syntax Description

vdc	Manage Virtual Device Context
<i>e-vdc</i>	Enter Virtual Device Context <vdc-id>
id	(Optional) force this vdc into a specific id
<i>new_id</i>	(Optional) force this vdc into a specific id
type	(Optional) Create vdc with a special set of services
<i>vtype</i>	(Optional) type of vdc

Command Mode

- /exec/configure

vdc combined-hostname

[no] vdc combined-hostname

Syntax Description

no	(Optional) Negate a command or set its defaults
vdc	Manage Virtual Device Context
combined-hostname	The hostname of non-default vdc's will be <default vdc name>-<nondefault vdc name>

Command Mode

- /exec/configure

vdc suspend

vdc <en-vdc> suspend

Syntax Description

vdc	Manage Virtual Device Context
<i>en-vdc</i>	Enter Virtual Device Context <vdc-id>
suspend	Put the vdc in a paused state. When resumed vdc will come up with its startup config

Command Mode

- /exec/configure

vdc suspend

[no] vdc <en-vdc> suspend

Syntax Description

vdc	Manage Virtual Device Context
<i>en-vdc</i>	Enter Virtual Device Context <vdc-id>
suspend	Put the vdc in a paused stated. When resumed vdc will use its startup config

Command Mode

- /exec/configure

vdp dot1q default static

```
{ vdp dot1q default { static <profile-name> | dynamic } } | { no vdp dot1q default }
```

Syntax Description

no	Negate a command or set its defaults
vdp	VDP protocol triggers
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
default	Default (wildcard). Match any dot1q when there is no specific dot1q mapping configured

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

vdp dot1q static

```
{ vdp dot1q <vlan-id> { static <profile-name> | dynamic } } | { no vdp dot1q <vlan-id> }
```

Syntax Description

no	Negate a command or set its defaults
vdp	VDP protocol triggers
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
dot1q	Dot1Q Encapsulation
<i>vlan-id</i>	

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

vdp vni default static

{ vdp vni default { static <profile-name> | dynamic } } | { no vdp vni default }

Syntax Description

no	Negate a command or set its defaults
vdp	VDP protocol triggers
vni	Virtual Network Identifier
static	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
default	Default (wildcard). Match any vni when there is no specific vni mapping configured

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

vdp vni static

```
{ vdp vni <vni-id> { static <profile-name> | dynamic } } | { no vdp vni <vni-id> }
```

Syntax Description

no	Negate a command or set its defaults
vdp	VDP protocol triggers
vni	Virtual Network Identifier
<i>vni-id</i>	
static	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

verify-data

{ { no | default } verify-data | verify-data }

Syntax Description

no	
default	Set a command to its defaults
verify-data	Verify data

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/icmpEcho

verify-host

{ verify-host | no verify-host }

Syntax Description

no	Negate a command or set its defaults
verify-host	Verify host reachability - payload info mandatory

Command Mode

- /exec/configure/configngoamconnectcheck

verify

verify

Syntax Description

verify	Verify the current configuration session
--------	--

Command Mode

- /exec/configure

verify profile

verify profile <all_conf_profile_name> [__readonly__ TABLE_profile_name <missing_param>]

Syntax Description

verify	Verify the instance with a configuration profile
profile	Name of the configuration profile
<i>all_conf_profile_name</i>	Enter the name of configuration profile
<i>__readonly__</i>	(Optional)
<i>TABLE_profile_name</i>	(Optional)
<i>missing_param</i>	(Optional)

Command Mode

- /exec/configure/param-inst

verify verbose

verify verbose

Syntax Description

verify	Verify the current configuration session
verbose	Verify the current configuration session with more details

Command Mode

- /exec/configure

version 9

version 9

Syntax Description

version	Specify the export version
9	Version 9 Export

Command Mode

- /exec/configure/nfm-exporter

virtual-rmac

[no] virtual-rmac <mac> | no virtual-rmac

Syntax Description

no	(Optional) Negate a command or set its defaults
virtual-rmac	Static Virtual RMAC configuration
<i>mac</i>	Specify Virtual Router MAC Address

Command Mode

- /exec/configure/if-nve

virtual-service

[no] virtual-service

Syntax Description

no	(Optional) Negate a command or set its defaults
virtual-service	Virtual service global settings

Command Mode

- /exec/configure

virtual-service move name log to

virtual-service move name <virt_serv_name> { log | core } to <dir_uri>

Syntax Description

virtual-service	Virtualization service actions
move	Move a virtual service log or core files
name	Name of the virtual service
<i>virt_serv_name</i>	Name of existing virtual service
log	Move log files
core	Move core files
to	Destination directory to move log or core files to
<i>dir_uri</i>	Destination directory name

Command Mode

- /exec

virtual-service reset force

virtual-service reset force

Syntax Description

virtual-service	Virtualization service actions
reset	Virtualization reset commands
force	Force a non-recoverable reset of all virtualization files

Command Mode

- /exec

virtual IPv6

```
[no] virtual IPv6 { <ip-addr> { <prefix> | <netmask> } } [ { <proto> { <port_num> | <port_any> } } ] [ {
advertise } { enable | disable } [ active ] [ device-group <dgrp_name> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
virtual	ITD virtual ip configuration
IPv6	ITD virtual IPv6
<i>prefix</i>	IPv6 prefix length
<i>proto</i>	(Optional) Protocol for vip
<i>port_num</i>	(Optional) Port Number
<i>port_any</i>	(Optional) Port any
advertise	(Optional) advertise
enable	(Optional) Enable
disable	(Optional) Disable
active	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
device-group	(Optional) device-group
<i>dgrp_name</i>	(Optional) VIP device-group name

Command Mode

- /exec/configure/itd

virtual ip

```
[no] virtual ip { <ip-addr> <ip-mask> } [ { <proto> { <port_num> | <port_any> } } ] [ { advertise } { enable | disable } [ active ] ] [ device-group <dgrp_name> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
virtual	ITD virtual ip configuration
ip	ITD virtual ip
<i>ip-addr</i>	IP address in format i.i.i.i
<i>ip-mask</i>	IP network mask in format m.m.m.m
<i>proto</i>	(Optional) Protocol for vip
<i>port_num</i>	(Optional) Port Number
<i>port_any</i>	(Optional) Port any
advertise	(Optional) advertise
enable	(Optional) Enable
disable	(Optional) Disable
active	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
device-group	(Optional) device-group
<i>dgrp_name</i>	(Optional) VIP device-group name

Command Mode

- /exec/configure/itd

virtual peer-link destination source

virtual peer-link destination { <dst-ip> | <dst-ipv6> } source { <src-ip> | <src-ipv6> } [dscp <dscp-val>] |
no virtual peer-link

Syntax Description

no	Negate a command or set its defaults
virtual	Virtual peer-link
peer-link	peer-link to peer switch
destination	specify destination ip address of peer switch
<i>dst-ip</i>	IPv4 address (A.B.C.D) of destination
source	source interface for peer-link
<i>src-ip</i>	IPv4 address (A.B.C.D) of source
dscp	(Optional) Set dscp value
<i>dscp-val</i>	(Optional) dscp value

Command Mode

- /exec/configure/vpc-domain

vlan-consistency-check

[no] vlan-consistency-check

Syntax Description

no	(Optional) Negate a command or set its defaults
vlan-consistency-check	enable vlan consistency check

Command Mode

- /exec/configure/evpn-esi-mh

vlan-pruning enable

vlan-pruning enable | no vlan-pruning enable

Syntax Description

no	Negate a command or set its defaults
vlan-pruning	Configure Vlan-pruning feature
enable	Set the mode for vlan-pruning

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

vlan

vlan <vlans> | no vlan

Syntax Description

no	Negate a command or set its defaults
vlan	Set allowed fabricpath VLANs for a given anycast bundle
<i>vlans</i>	VLAN IDs of the allowed fabricpath VLANs in the anycast bundle

Command Mode

- /exec/configure/anycast

vlan2

[no] vlan2 <vlan-id-create-delete>

Syntax Description

no	(Optional) Negate a command or set its defaults
vlan2	Vlan commands
<i>vlan-id-create-delete</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

vlan access-map

[no] vlan access-map <vacl-name> [<seqno>]

Syntax Description

no	(Optional) Negate a command or set its defaults
vlan	Vlan commands
<i>vacl-name</i>	List name
access-map	Configure a VLAN access map
<i>seqno</i>	(Optional) Sequence number

Command Mode

- /exec/configure

vlan add

vlan { add | remove } <vlans>

Syntax Description

vlan	Configure vlans for VP Group
add	Add vlans to VP Group
remove	Remove vlans from VP Group
<i>vlans</i>	vlan-list

Command Mode

- /exec/configure/vp-group

vlan configuration

[no] vlan configuration <vlan-id-create-delete>

Syntax Description

no	(Optional) Negate a command or set its defaults
vlan	Vlan commands
configuration	vlan feature configuration mode
<i>vlan-id-create-delete</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

vlan designated priority

{ vlan <vlan-id> | bridge-domain <bd-id> } designated priority <prio> | no { vlan <vlan-id> | bridge-domain <bd-id> } designated priority [<prio>]

Syntax Description

no	Negate a command or set its defaults
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
designated	Set the designated bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure/spanning-tree/pseudo

vlan root priority

```
{ vlan <vlan-id> | bridge-domain <bd-id> } root priority <prio> | no { vlan <vlan-id> | bridge-domain <bd-id> } root priority [ <prio> ]
```

Syntax Description

no	Negate a command or set its defaults
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
root	Set the root bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure/spanning-tree/pseudo

vmtracker connection

[no] vmtracker connection <connection-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vmtracker	Configure vmtracker parameters
connection	Specify a host to connect
<i>connection-name</i>	VM host name

Command Mode

- /exec/configure

vmtracker connection refresh

vmtracker connection <conname> refresh

Syntax Description

vmtracker	Configure vmtracker parameters
connection	Specify a host to connect
<i>conname</i>	VM host name
refresh	Refresh all host related information

Command Mode

- /exec

vmtracker enable

[no] vmtracker enable

Syntax Description

no	(Optional) Negate a command or set its defaults
vmtracker	Configure vmtracker feature
enable	Enable vmtracker feature on interface

Command Mode

- /exec/configure/if-switching

vmtracker fabric auto-config

[no] vmtracker fabric auto-config

Syntax Description

no	(Optional) Negate a command or set its defaults
vmtracker	Configure vmtracker parameters
fabric	Enable VM Tracker Fabric parameters
auto-config	Enable VM Tracker Fabric AutoConfiguration

Command Mode

- /exec/configure

vn-segment

vn-segment { <segment-id> | <zero-segment-id> } | no vn-segment

Syntax Description

no	Negate a command or set its defaults
vn-segment	VN Segment id of the VLAN
<i>segment-id</i>	segment-id
<i>zero-segment-id</i>	segment-id

Command Mode

- /exec/configure/vlan

vni

[no] vni <vni-id-sh>

Syntax Description

no	(Optional) Negate a command or set its defaults
vni	Configure a vni-based static host
<i>vni-id-sh</i>	

Command Mode

- /exec/configure/static-host

vni

{ vni <vni-id> | no vni }

Syntax Description

no	Negate a command or set its defaults
vni	Vni
<i>vni-id</i>	Configure vni id

Command Mode

- /exec/configure/configngoamconnectcheck

vni

```
{ vni <id> [ l3 ] } | { no vni [ <id> ] [ l3 ] }
```

Syntax Description

no	Negate a command or set its defaults
vni	Virtual Network Identifier
<i>id</i>	vni, Example: 4096,6099
l3	(Optional) L3 VNI Interface

Command Mode

- /exec/configure/vrf

vni default dynamic

{ vni default dynamic } | { no vni default }

Syntax Description

no	Negate a command or set its defaults
dynamic	Dynamic Profile Map: Retrieve profile name from the external server
vni	Virtual Network Identifier
default	Default (wildcard). Match any vni when there is no specific vni mapping configured

Command Mode

- /exec/configure/profile-map /exec/configure/profile-map-global

vni l2

[no] vni <vni_id> l2

Syntax Description

no	(Optional) Negate a command or set its defaults
vni	Configure Ethernet VPN ID
<i>vni_id</i>	Specify VNI ID
l2	Layer-2 VNI

Command Mode

- /exec/configure/evpn

vp-group

[no] vp-group <group-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
vp-group	VP Group commands
<i>group-id</i>	Virtual Group ID

Command Mode

- /exec/configure

vp add interface

vp { add | remove } interface <vifid>

Syntax Description

vp	Configure Virtual Ports for VP Group
add	Add Virtual Ports to VP group
remove	Remove Virtual Ports from VP group
interface	Configure interfaces
<i>vifid</i>	Enter a list of vif ids

Command Mode

- /exec/configure/vp-group

vp move interface group

vp move interface <vifidrange> group <dest-group-id>

Syntax Description

vp	Configure Virtual Ports for VP Group
move	Move Virtual Ports to a new VP Group
interface	Configure interfaces
group	Destination group id
<i>vifidrange</i>	Enter a list of vif ids
<i>dest-group-id</i>	Virtual Group ID

Command Mode

- /exec/configure/vp-group

vpc

vpc [<vpc_num>] | no vpc [<vpc_num>]

Syntax Description

no	Negate a command or set its defaults
vpc	Virtual Port Channel configuration
<i>vpc_num</i>	(Optional) specify a Virtual Port Channel number

Command Mode

- /exec/configure/if-eth-port-channel-switch /exec/configure/if-vethernet /exec/configure/if-veth /exec/configure/if-veth-any /exec/configure/if-veth-all

vpc domain

vpc domain <domain_id> | no vpc domain <domain_id>

Syntax Description

no	Negate a command or set its defaults
vpc	Virtual Port Channel configuration
domain	Specify domain
<i>domain_id</i>	domain id

Command Mode

- /exec/configure

vpc orphan-port suspend

[no] vpc orphan-port suspend

Syntax Description

no	(Optional) Negate a command or set its defaults
vpc	Virtual Port Channel configuration
orphan-port	orphan-port (non-vpc port)
suspend	suspend - when vPC secondary peerlink goes down

Command Mode

- /exec/configure/if-eth-phy /exec/configure/if-eth-port-channel-switch /exec/configure/if-eth-port-channel /exec/configure/if-p2p

vpc peer-link

vpc peer-link | no vpc peer-link

Syntax Description

no	Negate a command or set its defaults
vpc	Virtual Port Channel configuration
peer-link	specify if this link is used for peer communication

Command Mode

- /exec/configure/if-eth-port-channel-switch

vpc role preempt

vpc role preempt

Syntax Description

vpc	Virtual Port Channel configuration
role	vPC role related command
preempt	Enable/Trigger preemption of lower priority master

Command Mode

- /exec

vpn

[no] vpn <otv-isis-vpn-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vpn	Configure IS-IS VPN name eg: Overlay<x>
<i>otv-isis-vpn-name</i>	Overlay name

Command Mode

- /exec/configure/otv-isis

vpn id

vpn id <vpn-id> | no vpn id [<vpn-id>]

Syntax Description

no	Negate a command or set its defaults
vpn	Configure VPN ID in rfc2685 format
id	Configure VPN ID in rfc2685 format
<i>vpn-id</i>	OUI:VPN-Index, format (hex) <3 bytes OUI:4 bytes VPN-Index>

Command Mode

- /exec/configure/vrf

vrf

[no] vrf { <vrf-name> | <vrf-known-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	set vrf membership
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/config-monitor-erspan-src

vrf

[no] vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	Configure RIP VRF information
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/router-rip

vrf

{ { no | default } vrf |

Syntax Description

no	
default	Set a command to its defaults
vrf	Configure IP SLAs for a VPN Routing/Forwarding instance

Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/jitter /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho /exec/configure/ip-sla/dns /exec/configure/ip-sla/http

vrf

```
{ { vrf { <vrf-name> | <vrf-known-name> } } | no vrf }
```

Syntax Description

no	Negate a command or set its defaults
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/configngoamconnectcheck

vrf

[no] vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	Configure ISIS VRF information
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/router-isis

vrf

[no] vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/router-ospf3

vrf

[no] vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	Configure VRF information
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/router-eigrp

vrf

{ vrf <name> } | { no vrf <name> }

Syntax Description

no	Negate a command or set its defaults
vrf	EPBR service VRF name
<i>name</i>	VRF name

Command Mode

- /exec/configure/epbr/svc

vrf

[no] vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	Display per-VRF information
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/router-ospf

vrf

[no] vrf <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	ITD device-group vrf
<i>name</i>	ITD device-group VRF name

Command Mode

- /exec/configure/itd-device-group

vrf

{ vrf <name> } | { no vrf <name> }

Syntax Description

no	Negate a command or set its defaults
vrf	ITD service vrf
<i>name</i>	ITD Service VRF name

Command Mode

- /exec/configure/itd

vrf

[no] vrf <vrf-cfg-name>

Syntax Description

<i>vrf-cfg-name</i>	VRF name
vrf	Virtual Router Context
no	(Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

vrf

[no] vrf <vrf-cfg-name>

Syntax Description

<i>vrf-cfg-name</i>	VRF name
vrf	Virtual Router Context
no	(Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

vrf

[no] vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrf	Virtual Router Context
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/router-bgp

vrf context

vrf context <vrf-name> | no vrf context { <vrf-name> | <vrf-name> }

Syntax Description

no	Negate a command or set its defaults
vrf	Configure VRF parameters
context	Create VRF and enter VRF mode
<i>vrf-name</i>	VRF name
<i>vrf-name</i>	VRF name
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure

vrf default static

```
{ vrf default { static <profile-name> | dynamic } } | { no vrf default }
```

Syntax Description

no	Negate a command or set its defaults
vrf	VRF name
default	Default (wildcard). Match any vrf when there is no specific vrf mapping configured
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server

Command Mode

- /exec/configure/profile-map-global

vrf member

```
{ vrf member <vrf-known-name> | no vrf member [ <vrf-known-name> ] }
```

Syntax Description

no	Negate a command or set its defaults
vrf	Configure VRF parameters
member	Set bridge's VRF membership
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/app-hosting-bridge

vrf member

vrf member <vrf-name> | no vrf member [<vrf-name>]

Syntax Description

no	Negate a command or set its defaults
vrf	Configure VRF parameters
member	Set interface's VRF membership
<i>vrf-name</i>	VRF name

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-ether

vrf member

vrf member { <vrf_name> | <vrf-known-name> } | no vrf member [<vrf_name> | <vrf-known-name>]

Syntax Description

no	Negate a command or set its defaults
vrf	Configure VPN Routing/Forwarding table
member	Set route's VRF membership
<i>vrf_name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/track

vrf static

```
{ vrf <vrf-name> { static <profile-name> | dynamic } } | { no vrf <vrf-name> }
```

Syntax Description

no	Negate a command or set its defaults
vrf	VRF name
<i>vrf-name</i>	VRF name
static	Static Profile Map: Configure profile name via CLI
<i>profile-name</i>	Static Profile Map: Configure profile name via CLI
dynamic	Dynamic Profile Map: Retrieve profile name from the external server

Command Mode

- /exec/configure/profile-map-global

vrrp

[no] vrrp <vr_id>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrp	VRRP configuration commands
<i>vr_id</i>	IPv4 VR group number

Command Mode

- /exec/configure/if-legacy-eth /exec/configure/if-ethernet /exec/configure/if-port-channel /exec/configure/if-vlan-common /exec/configure/if-eth-any

vrrp bfd

```
{ vrrp bfd <peer_intf_ip> | no vrrp bfd [ <peer_intf_ip> ] }
```

Syntax Description

vrrp	VRRP configuration commands
bfd	BFD protocol
<i>peer_intf_ip</i>	Neighbor IP address
no	Negate a command or set its defaults

Command Mode

- /exec/configure/if-eth-any/vrrp

vrrpv2

[no] vrrpv2

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrpv2	Enable VRRPv2 compatibility mode

Command Mode

- /exec/configure/if-eth-any/vrrpv3

vrrpv3

[no] vrrpv3

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrpv3	VRRPv3 configuration commands

Command Mode

- /exec/configure

vrrpv3 address-family

[no] vrrpv3 <group_id> address-family <opt_v6>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrpv3	Configure VRRPv3 group parameters
address-family	IPV6 address family
<i>opt_v6</i>	Enter ipv6
<i>group_id</i>	VRRP Group ID

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

vrrpv3 address-family

[no] vrrpv3 <group_id> address-family <opt_v4>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrpv3	Configure VRRPv3 group parameters
address-family	IPV4 address family
<i>opt_v4</i>	Enter ipv4
<i>group_id</i>	VRRP Group ID

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

vrrs leader

[no] vrrs leader <tag>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrs	VRRS-related commands
leader	Name of VRRS tag for which this group is the leader
<i>tag</i>	VRRS tag to lead

Command Mode

- /exec/configure/if-eth-any/vrrpv3

vrrs pathway

[no] vrrs pathway <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
vrrs	VRRS Interface configuration commands
pathway	Configure a VRRS pathway
<i>name</i>	Name of the VRRS tag to associate with pathway

Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan

vsh

| vsh

Syntax Description

	Pipe command output to filter
vsh	the shell that understands cli command

Command Mode

- /output

vtp

[no] vtp

Syntax Description

no	(Optional) Negate a command or set its defaults
vtp	Enable VTP on this interface

Command Mode

- /exec/configure/if-switching

vtp domain

vtp domain <domain_name>

Syntax Description

vtp	Configure global VTP state
domain	Set the name of the VTP administrative domain
<i>domain_name</i>	The ascii name for the VTP administrative domain

Command Mode

- /exec/configure

vtp file

vtp file <file_name> | no vtp file

Syntax Description

no	Negate a command or set its defaults
vtp	Configure global VTP state
file	Set the name of the VTP file name
<i>file_name</i>	URI for vlan.dat

Command Mode

- /exec/configure

vtp password

vtp password <password_name> | no vtp password

Syntax Description

no	Negate a command or set its defaults
vtp	Configure global VTP state
password	Set the password for the VTP administrative domain
<i>password_name</i>	The ascii password for the VTP administrative domain

Command Mode

- /exec/configure

vtp pruning

vtp pruning | no vtp pruning

Syntax Description

no	Negate a command or set its defaults
vtp	Configure global VTP state
pruning	Set the administrative domain to permit pruning

Command Mode

- /exec/configure

vtp version

vtp version <version_num> | no vtp version

Syntax Description

no	Negate a command or set its defaults
vtp	Configure global VTP state
version	Set the administrative domain to VTP version
<i>version_num</i>	Set the administrative domain to VTP version

Command Mode

- /exec/configure



W Commands

- [wait-igp-convergence](#), on page 5556
- [wait-to-restore](#), on page 5557
- [wait-to-restore](#), on page 5558
- [wait-to-restore](#), on page 5559
- [watch](#), on page 5560
- [watch service action apply-acl](#), on page 5561
- [watchlist](#), on page 5562
- [watchlist](#), on page 5563
- [wc](#), on page 5564
- [wedge bmc ip-addr](#), on page 5565
- [weight](#), on page 5566
- [weight](#), on page 5567
- [weight](#), on page 5568
- [weight](#), on page 5569
- [where](#), on page 5570
- [where detail](#), on page 5571
- [window-size](#), on page 5572
- [window-size](#), on page 5573
- [wred-queue qos-group-map queue-only](#), on page 5574
- [write erase](#), on page 5575
- [write erase boot](#), on page 5576
- [write erase debug](#), on page 5577
- [write erase poap](#), on page 5578
- [wrr-queue qos-group-map](#), on page 5579
- [wrr unicast-bandwidth](#), on page 5580
- [wwn oui](#), on page 5581
- [wwn vsan vsan-wwn](#), on page 5582

wait-igp-convergence

[no] wait-igp-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
wait-igp-convergence	Delay initial bestpath until redistributed IGP's have converged

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4
/exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

wait-to-restore

[no] wait-to-restore <minutes>

Syntax Description

no	(Optional) Negate a command or set its defaults
wait-to-restore	Set the wait-to-restore time
<i>minutes</i>	value in minutes, default 5

Command Mode

- /exec/configure/gnss-if/fsync

wait-to-restore

[no] wait-to-restore <minutes>

Syntax Description

no	(Optional) Negate a command or set its defaults
wait-to-restore	Set the wait-to-restore time
<i>minutes</i>	value in minutes, default 5

Command Mode

- /exec/configure/if-eth-base/fsync

wait-to-restore

[no] wait-to-restore <minutes>

Syntax Description

no	(Optional) Negate a command or set its defaults
wait-to-restore	Set the wait-to-restore time
<i>minutes</i>	value in minutes, default 5

Command Mode

- /exec/configure/clock-if/fsync

watch

```
watch [ differences ] [ interval <time> ] <watch_cmd>
```

Syntax Description

<code>watch</code>	execute a program periodically
<code>differences</code>	(Optional) highlight the differences
<code>interval</code>	(Optional) watch interval
<code>time</code>	(Optional) interval in seconds
<code>watch_cmd</code>	enter the command you want to watch

Command Mode

- /exec

watch service action apply-acl

[no] watch service <service-name> action apply-acl <acl-name> | no watch service

Syntax Description

no	(Optional) Negate a command or set its defaults
watch	Watch a pod/service
service	The pod or service to watch
<i>service-name</i>	Name of the service/pod to watch
action	Action to be applied
apply-acl	Change ACL config
<i>acl-name</i>	Name of the acl to apply

Command Mode

- /exec/configure/kubernetes

watchlist

[no] watchlist <watchlistname>

Syntax Description

watchlist	Specify POSTCARD watchlist to use
<i>watchlistname</i>	Name of watchlist

Command Mode

- /exec/configure/config-postcard-monitor

watchlist

[no] watchlist <watchlistname>

Syntax Description

watchlist	Specify INT watchlist to use
<i>watchlistname</i>	Name of watchlist

Command Mode

- /exec/configure/config-int-monitor

WC

```
| wc [ -c | -l | -w ]
```

Syntax Description

	Pipe command output to filter
wc	Count words, lines, characters
-c	(Optional) Output character count
-l	(Optional) Output line count
-w	(Optional) Output word count

Command Mode

- /output

wedge bmc ip-addr

[no] wedge bmc ip-addr { <ip> | <ip_v6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
wedge	Configure wedge Board Management controller ip address
bmc	Board Management Controller ip address
ip-addr	BMC ip address
<i>ip</i>	ip address

Command Mode

- /exec/configure

weight

[no] weight <weight-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
weight	weight for traffic distribution
<i>weight-value</i>	weight value

Command Mode

- /exec/configure/itd-dg-node

weight

[no] weight <weight-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
weight	EPBR service end-point weight for traffic distribution
<i>weight-value</i>	weight value

Command Mode

- /exec/configure/epbr/fwd-svc

weight

[no] weight <weight-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
weight	weight for traffic distribution
<i>weight-value</i>	weight value

Command Mode

- /exec/configure/itd-session-dg-node

weight

```
{ weight <weight> } | { { no | default } weight [ <weight> ] }
```

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
weight	Set default weight for routes from this neighbor
<i>weight</i>	Default weight

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

where

where

Syntax Description

where	shows the cli context you are in
-------	----------------------------------

Command Mode

- /global

where detail

where detail

Syntax Description

where	shows the cli context you are in
detail	shows each entry on separate line

Command Mode

- /global

window-size

[no] window-size <size>

Syntax Description

window-size	Configure Window size
<i>size</i>	window size value

Command Mode

- /exec/configure/masec-policy

window-size

[no] window-size <size>

Syntax Description

window-size	Configure Window size
<i>size</i>	window size value, in num of IP packets

Command Mode

- /exec/configure/tunenc-policy

wred-queue qos-group-map queue-only

[no] wred-queue qos-group-map queue-only { <qid> }

Syntax Description

no	(Optional) Negate the command
wred-queue	Enable queue based ECN marking for specific qos-group
queue-only	Enable queue based ECN marking
qos-group-map	Qid value
<i>qid</i>	Provide qos-group value

Command Mode

- /exec/configure

write erase

write erase

Syntax Description

write	Write current configuration
erase	Destroys the configuration on persistent media

Command Mode

- /exec

write erase boot

write erase boot

Syntax Description

write	Write current configuration
erase	Destroys the configuration on persistent media
boot	Destroys boot configuration on persistent media

Command Mode

- /exec

write erase debug

write erase debug

Syntax Description

write	Write current configuration
erase	Destroys the configuration on persistent media
debug	Destroys debug configuration on persistent media

Command Mode

- /exec

write erase poap

write erase poap

Syntax Description

write	Write current configuration
erase	Destroys the configuration on persistent media
poap	Removes System-wide POAP disable configuration on persistent media

Command Mode

- /exec

wrr-queue qos-group-map

[no] wrr-queue qos-group-map <qid> { <cos> } +

Syntax Description

no	(Optional) Negate the command
wrr-queue	Map traffic priority (QG) values to L3 Multicast Queues
qos-group-map	Qid value
<i>qid</i>	Provide qid value
<i>cos</i>	Provide qos-group-map value

Command Mode

- /exec/configure

wrr unicast-bandwidth

[no] wrr unicast-bandwidth <bw>

Syntax Description

no	(Optional) Negate the command
wrr	Configure Unicast Traffic Bandwidth Percentage
unicast-bandwidth	Specify rate as percentage of interface data-rate
<i>bw</i>	Value in percentage (Default is set to 50)

Command Mode

- /exec/configure

wwn oui

wwn oui <oui-id> | no

Syntax Description

<i>oui</i>	{
no	Negate a command or set its defaults
wwn	Set OUI, secondary base MAC addr and range for additional WWNs
<i>oui-id</i>	Enter the oui-id

Command Mode

- /exec/configure

wwn vsan vsan-wwn

wwn vsan <i0> vsan-wwn <wwn1> | no

Syntax Description

<i>vsan</i>	<i0>
no	Negate a command or set its defaults
wwn	Set secondary base MAC addr and range for additional WWNs
<i>i0</i>	Enter the vsan id
vsan-wwn	vsan-wwn for vsan in interop mode 4
<i>wwn1</i>	Enter wwn for vsan in interop mode 4

Command Mode

- /exec/configure



X Commands

- [xconnect](#), on page 5584
- [xml](#), on page 5585
- [xml](#), on page 5586
- [xml server max-session](#), on page 5587
- [xml server terminate session](#), on page 5588
- [xml server timeout](#), on page 5589
- [xml server validate](#), on page 5590
- [xmlin](#), on page 5591
- [xmlin](#), on page 5592
- [xmlin](#), on page 5593
- [xmlin](#), on page 5594
- [xmlout](#), on page 5595

xconnect

xconnect | no xconnect

Syntax Description

no	Negate a command or set its defaults
xconnect	Enable cross connect on this VLAN

Command Mode

- /exec/configure/vlan

xml

| xml

Syntax Description

	Pipe command output to filter
xml	output in xml format (according to .xsd definitions)

Command Mode

- /output

xml

| xml

Syntax Description

	Pipe command output to filter
xml	output in xml format (according to .xsd definitions)

Command Mode

- /output

xml server max-session

[no] xml server max-session <number>

Syntax Description

no	(Optional) Negate a command or set its defaults
xml	xml agent
server	xml agent server
max-session	configure maximum number of xml sessions allowed
<i>number</i>	number of the sessions

Command Mode

- /exec/configure

xml server terminate session

```
xml server terminate session <session_id>
```

Syntax Description

xml	xml agent
server	xml agent server
terminate	command to terminate an XML session
session	terminate an XML session
<i>session_id</i>	sessions number

Command Mode

- /exec

xml server timeout

[no] xml server timeout <value> [<session_id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
xml	xml agent
server	xml agent server
timeout	configure xml agent session timeout
<i>value</i>	timeout in seconds
<i>session_id</i>	(Optional) xml agent session id

Command Mode

- /exec/configure

xml server validate

[no] xml server validate { all | <session_id> }

Syntax Description

no	(Optional) Negate a command or set its defaults
xml	xml agent
server	xml agent server
validate	command to validate an XML session
all	all sessions
<i>session_id</i>	session number

Command Mode

- /exec/configure

xmlin

| xmlin

Syntax Description

	Pipe command output to filter
xmlin	Convert CLI show commands to their XML formats

Command Mode

- /output

xmlin

xmlin

Syntax Description

xmlin	Convert CLI commands to their XML formats
-------	---

Command Mode

- /exec

xmlin

| xmlin

Syntax Description

	Pipe command output to filter
xmlin	Convert CLI show commands to their XML formats

Command Mode

- /output

xmlin

xmlin

Syntax Description

xmlin	Convert CLI commands to their XML formats
-------	---

Command Mode

- /exec

xmlout

| xmlout

Syntax Description

	Pipe command output to filter
xmlout	output in xml format (according to the latest .xsd version)

Command Mode

- /output



Z Commands

- [zone-attribute-group clone vsan](#), on page 5599
- [zone-attribute-group name vsan](#), on page 5600
- [zone-attribute-group rename vsan](#), on page 5601
- [zone broadcast enable vsan](#), on page 5602
- [zone clone vsan](#), on page 5603
- [zone commit vsan](#), on page 5604
- [zone compact vsan](#), on page 5605
- [zone confirm-commit enable vsan](#), on page 5606
- [zone convert smart-zoning](#), on page 5607
- [zone convert vsan2](#), on page 5608
- [zone copy active-zoneset full-zoneset](#), on page 5609
- [zone copy vsan active-zoneset](#), on page 5610
- [zone copy vsan active-zoneset full-zoneset](#), on page 5611
- [zone default-zone permit vsan](#), on page 5612
- [zone default-zone vsan](#), on page 5613
- [zone fc2 merge throttle enable](#), on page 5614
- [zone gs](#), on page 5615
- [zone merge-control restrict vsan](#), on page 5616
- [zone mode enhanced vsan](#), on page 5617
- [zone name](#), on page 5618
- [zone name vsan](#), on page 5619
- [zone rcs enable](#), on page 5620
- [zone rename vsan](#), on page 5621
- [zone rscn address-format port](#), on page 5622
- [zone smart-zoning enable vsan](#), on page 5623
- [zoneset activate name vsan](#), on page 5624
- [zoneset activate vsan](#), on page 5625
- [zoneset capability change-abort](#), on page 5626
- [zoneset capability distribute full](#), on page 5627
- [zoneset clone vsan](#), on page 5628
- [zoneset distribute full vsan](#), on page 5629
- [zoneset distribute vsan](#), on page 5630
- [zoneset export vsan](#), on page 5631

- [zoneset import interface vsan, on page 5632](#)
- [zoneset name vsan, on page 5633](#)
- [zoneset overwrite-control vsan, on page 5634](#)
- [zoneset rename vsan, on page 5635](#)
- [zr-optics cd-min cd-max, on page 5636](#)
- [zr-optics dwdm-carrier 100GHz-grid frequency, on page 5637](#)
- [zr-optics dwdm-carrier 100MHz-grid frequency, on page 5638](#)
- [zr-optics dwdm-carrier 50GHz-grid, on page 5639](#)
- [zr-optics fec muxponder modulation dac-rate, on page 5640](#)
- [zr-optics transmit-power, on page 5641](#)
- [zrp-optics cd-min cd-max, on page 5642](#)
- [zrp-optics dwdm-carrier 100GHz-grid frequency, on page 5643](#)
- [zrp-optics dwdm-carrier 100MHz-grid frequency, on page 5644](#)
- [zrp-optics dwdm-carrier 50GHz-grid, on page 5645](#)
- [zrp-optics fec muxponder modulation dac-rate, on page 5646](#)
- [zrp-optics transmit-power, on page 5647](#)

zone-attribute-group clone vsan

zone-attribute-group clone <s0> <s1> vsan <i0>

Syntax Description

zone-attribute-group	Zone attribute group commands
clone	Attribute group clone command
<i>s0</i>	Current Attribute group name
<i>s1</i>	New attribute group name
vsan	clone zone attr group name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone-attribute-group name vsan

[no] zone-attribute-group name <s0> vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
zone-attribute-group	Zone attribute group commands
name	Configure attribute group
<i>s0</i>	Enter the name of attribute group
vsan	Configure attr-group on a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone-attribute-group rename vsan

zone-attribute-group rename <s0> <s1> vsan <i0>

Syntax Description

zone-attribute-group	Zone attribute group commands
rename	Attribute group rename command
<i>s0</i>	Current Attribute group name
<i>s1</i>	New attribute group name
vsan	rename zone attr group name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone broadcast enable vsan

[no] zone broadcast enable vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
broadcast	set broadcast zoning state
enable	enable broadcast zoning
vsan	enable broadcast zoning on the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

zone clone vsan

```
zone clone <s0> <s1> vsan <i0>
```

Syntax Description

clone	Zone clone command
<i>s0</i>	Current zone name
<i>s1</i>	New zone name
vsan	clone zone name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone commit vsan

[no] zone commit vsan <i0> [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
commit	Commit changes
vsan	Commit changes on a VSAN
<i>i0</i>	VSAN id
force	(Optional) Force commit changes

Command Mode

- /exec/configure

zone compact vsan

zone compact vsan <i0>

Syntax Description

compact	Compact zone database
vsan	Compact zone database on a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone confirm-commit enable vsan

[no] zone confirm-commit enable vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
confirm-commit	Confirm messages during commit
enable	Enable confirm messages during commit
vsan	Enable confirm messages during commit for a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone convert smart-zoning

```
zone convert smart-zoning { { vsan1 <vsan_id> } | { fcalias name <fcalias_name> vsan2 <vsan_id> | zone
name1 <zone_name> vsan2 <vsan_id> | zoneset name2 <zs_name> vsan2 <vsan_id> } }
```

Syntax Description

convert	Zone convert commands
smart-zoning	Smart Zoning convert commands
vsan1	Auto-convert commands for a vsan
fcalias	Auto-convert commands for a fcalias
name	Auto-convert commands for a given fcalias
<i>fcalias_name</i>	Enter the fcalias name
zone	Auto-convert commands for a zone
name1	Auto-convert commands for a given zone
<i>zone_name</i>	Enter the zone name
zoneset	Auto-convert commands for a zoneset
name2	Auto-convert commands for a given zoneset
<i>zs_name</i>	Enter the zoneset name
vsan2	Enter the vsan
<i>vsan_id</i>	Enter the vsan

Command Mode

- /exec/configure

zone convert vsan2

```
zone convert { alias name <alias_name> | vsan1 | zone name1 <zone_name> | zoneset name2 <zs_name> }
<src_mem_type> <dst_mem_type> vsan2 <vsan_id> [ ignore-error ]
```

Syntax Description

convert	Zone convert commands
alias	Zone convert commands for an alias
name	Zone convert commands for a given alias
<i>alias_name</i>	Enter the alias name
vsan1	Zone convert commands for a vsan
zone	Zone convert commands for a zone
name1	Zone convert commands for a given zone
<i>zone_name</i>	Enter the zone name
zoneset	Zone convert commands for a zoneset
name2	Zone convert commands for a given zoneset
<i>zs_name</i>	Enter the zoneset name
<i>src_mem_type</i>	Enter the source member type
<i>dst_mem_type</i>	Enter the dest member type
vsan2	Enter the vsan
<i>vsan_id</i>	Enter the vsan
ignore-error	(Optional) ignore errors while converting

Command Mode

- /exec/configure

zone copy active-zoneset full-zoneset

zone copy active-zoneset full-zoneset { include-auto-zones vsan <i0> | vsan1 <i1> }

Syntax Description

copy	Zone Server copy command
active-zoneset	Copy from active zoneset
full-zoneset	Copy active zoneset to full zoneset
include-auto-zones	Include auto zones
vsan	Copy active zoneset on a VSAN to full zoneset
<i>i0</i>	VSAN id range
vsan1	Copy active zoneset on a VSAN to full zoneset
<i>i1</i>	VSAN id range

Command Mode

- /exec

zone copy vsan active-zoneset

zone copy vsan <i0> active-zoneset <uri1>

Syntax Description

copy	Zone Server copy command
vsan	Copy active zoneset on a VSAN
<i>i0</i>	VSAN id range
active-zoneset	Copy from active zoneset
<i>uri1</i>	Select destination filesystem

Command Mode

- /exec

zone copy vsan active-zoneset full-zoneset

zone copy vsan <i0> active-zoneset full-zoneset [include-auto-zones]

Syntax Description

copy	Zone Server copy command
vsan	Copy active zoneset on a VSAN
<i>i0</i>	VSAN id range
active-zoneset	Copy from active zoneset
full-zoneset	Copy active zoneset to full zoneset on a VSAN
include-auto-zones	(Optional) Include auto zones

Command Mode

- /exec

zone default-zone permit vsan

[no] zone default-zone permit vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
default-zone	Defines default zoning behavior
permit	Default permit
vsan	Defines default zoning behavior for the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

zone default-zone vsan

zone default-zone vsan <i0>

Syntax Description

default-zone	Defines default zoning behavior
vsan	Define default-zone properties
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

zone fc2 merge throttle enable

[no] zone fc2 merge throttle enable

Syntax Description

no	(Optional) Negate a command or set its defaults
fc2	Zone fc2 throttle commands
merge	Zone merge throttle in fc2
throttle	Zone merge throttle in fc2
enable	Enable zone merge throttle

Command Mode

- /exec/configure

zone gs

[no] zone gs { read vsan <i0> | read-write vsan1 <i1> }

Syntax Description

no	(Optional) Negate a command or set its defaults
gs	Zone generic services commands
read	Enable generic services Read only permission
vsan	Enable generic services read-only permission on given vsan
<i>i0</i>	VSAN id range
read-write	Enable generic services Read-Write Permission
vsan1	Enable generic services read-write permission on given vsan
<i>i1</i>	VSAN id range

Command Mode

- /exec/configure

zone merge-control restrict vsan

[no] zone merge-control restrict vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
merge-control	Configure Merge control setting
restrict	Configure restrict merge control
vsan	Configure merge control setting on a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone mode enhanced vsan

[no] zone mode enhanced vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
mode	Configure zoning mode
enhanced	Configure zoning mode as enhanced
vsan	Configure a zone on a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone name

[no] zone name <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
name	Zone name
s0	Enter the name of zone

Command Mode

- /exec/configure/zoneset

zone name vsan

[no] zone name <s0> vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
name	Configure a zone
s0	Enter the name of zone
vsan	Configure a zone on a VSAN
i0	VSAN id

Command Mode

- /exec/configure

zone rcs enable

[no] zone rcs enable [vsan <i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
rcs	Configure RCS support
enable	Enable zoning RCS support
vsan	(Optional) Enable RCS support on a VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec/configure

zone rename vsan

```
zone rename <s0> <s1> vsan <i0>
```

Syntax Description

rename	Zone rename command
<i>s0</i>	Current zone name
<i>s1</i>	New zone name
vsan	rename zone name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zone rscn address-format port

[no] zone rscn address-format port [vsan <i0>]

Syntax Description

no	(Optional) Negate a command or set its defaults
rscn	rscn configuration changes
address-format	Configure rscn address format mode
port	Configure zone to send rscn in port address
vsan	(Optional) Configure a zone on a VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec/configure

zone smart-zoning enable vsan

[no] zone smart-zoning enable vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
smart-zoning	Configure Smart Zoning
enable	Enable Smart Zoning feature
vsan	Enable Smart Zoning feature on the given VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zoneset activate name vsan

zoneset activate name <s0> vsan <i0> [force]

Syntax Description

zoneset	Zoneset configuration commands
activate	Activate a zoneset
name	Zoneset name
<i>s0</i>	Enter the name of zoneset
vsan	Activate a zoneset on the specified VSAN
<i>i0</i>	VSAN id
force	(Optional) Force name change during activation

Command Mode

- /exec/configure

zoneset activate vsan

[no] zoneset activate [name <s0>] vsan <i0>

Syntax Description

no	Negate a command or set its defaults
zoneset	Zoneset configuration commands
activate	Activate a zoneset
name	(Optional) Zoneset name
s0	(Optional) Enter the name of zoneset
vsan	Activate a zoneset on the specified VSAN
i0	VSAN id

Command Mode

- /exec/configure

zoneset capability change-abort

[no] zoneset capability change-abort

Syntax Description

no	(Optional) Negate a command or set its defaults
zoneset	Execute zoneset commands
capability	zone server capability
change-abort	Enable change abort capability

Command Mode

- /exec/configure

zoneset capability distribute full

[no] zoneset capability distribute full

Syntax Description

no	(Optional) Negate a command or set its defaults
zoneset	Zoneset configuration commands
capability	zone server capability
distribute	Enable zoneset propagation
full	Enable full-zoneset propagation

Command Mode

- /exec/configure

zoneset clone vsan

zoneset clone <s0> <s1> vsan <i0>

Syntax Description

zoneset	Zoneset configuration commands
clone	Zoneset clone command
<i>s0</i>	Current zoneset name
<i>s1</i>	New zoneset name
vsan	clone zoneset name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zoneset distribute full vsan

[no] zoneset distribute full vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
zoneset	Zoneset configuration commands
distribute	Enable zoneset propagation
full	Enable full-zoneset propagation
vsan	Enable full zoneset propagation for the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec/configure

zoneset distribute vsan

zoneset distribute vsan <i0>

Syntax Description

zoneset	Execute zoneset commands
distribute	Distributes full zoneset in the fabric
vsan	Distributes full zoneset in the fabric on a VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec

zoneset export vsan

zoneset export vsan <i0>

Syntax Description

zoneset	Execute zoneset commands
export	Exports zone server database to adjacent switch
vsan	Export zone server database of a VSAN to adjacent switch
<i>i0</i>	VSAN id range

Command Mode

- /exec

zoneset import interface vsan

zoneset import interface <if0> vsan <i0>

Syntax Description

zoneset	Execute zoneset commands
import	Imports zone server database from adjacent switch
interface	Interface name
<i>if0</i>	
vsan	Imports zone server database of a VSAN on the interface
<i>i0</i>	VSAN id range

Command Mode

- /exec

zoneset name vsan

[no] zoneset name <s0> vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
zoneset	Zoneset configuration commands
name	Configure a zoneset
s0	Enter the name of zoneset
vsan	Configure a zoneset on a VSAN
i0	VSAN id

Command Mode

- /exec/configure

zoneset overwrite-control vsan

[no] zoneset overwrite-control vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
zoneset	Zoneset configuration commands
overwrite-control	Overwrite-control command of activating a zoneset with a different name in enhanced mode
vsan	Overwrite Name control of a zoneset activation on the specified VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zoneset rename vsan

zoneset rename <s0> <s1> vsan <i0>

Syntax Description

zoneset	Zoneset configuration commands
rename	Zoneset rename command
<i>s0</i>	Current zoneset name
<i>s1</i>	New zoneset name
vsan	rename zoneset name on a vsan
<i>i0</i>	VSAN id

Command Mode

- /exec/configure

zr-optics cd-min cd-max

zr-optics cd-min <cd_min> cd-max <cd_max>

Syntax Description

zr-optics	zr optics config
cd-min	cd-min input
<i>cd_min</i>	Optics cd-min value
cd-max	cd-max input
<i>cd_max</i>	Optics cd-max value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zr-optics dwdm-carrier 100GHz-grid frequency

zr-optics dwdm-carrier 100GHz-grid frequency <freq_100ghz_val>

Syntax Description

zr-optics	zr optics config
dwdm-carrier	dwdm-carrier input mode
100GHz-grid	Optics dwdm carrier mode 100GHz
frequency	frequency 100GHz input
<i>freq_100ghz_val</i>	Optics frequency 100GHz value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zr-optics dwdm-carrier 100MHz-grid frequency

zr-optics dwdm-carrier 100MHz-grid frequency <freq_100mhz_val>

Syntax Description

zr-optics	zr optics config
dwdm-carrier	dwdm-carrier input mode
100MHz-grid	Optics dwdm carrier mode 100MHz
frequency	frequency 100MHz input
<i>freq_100mhz_val</i>	Optics frequency 100MHz value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zr-optics dwdm-carrier 50GHz-grid

```
zr-optics dwdm-carrier 50GHz-grid { { frequency <freq_50ghz_val> } | { itu-channel <itu_chan_50ghz_val> } | { wavelength <wavelen_50ghz_val> } }
```

Syntax Description

zr-optics	zr optics config
dwdm-carrier	dwdm-carrier input mode
50GHz-grid	Optics dwdm carrier mode 50GHz
frequency	frequency 50GHz input
<i>freq_50ghz_val</i>	Optics frequency 50GHz value
itu-channel	itu-channel 50HGz input
<i>itu_chan_50ghz_val</i>	Optics itu-channel 50GHz value
wavelength	wavelength 50GHz input
<i>wavelen_50ghz_val</i>	Optics wavelength 50GHz value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zr-optics fec muxponder modulation dac-rate

[no] zr-optics fec <fec_val> muxponder <mxp_val> modulation <mod_val> dac-rate <dr_val>

Syntax Description

no	(Optional) Negate a command or set its defaults
zr-optics	zr optics config
fec	fec input
<i>fec_val</i>	Optics FEC mode
muxponder	muxponder input
<i>mxp_val</i>	muxponder input
modulation	modulation input
<i>mod_val</i>	modulation input
dac-rate	dac-rate input
<i>dr_val</i>	Optics dac rate

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zr-optics transmit-power

zr-optics transmit-power <tx_pwr>

Syntax Description

zr-optics	zr optics config
transmit-power	optics transmit-power
<i>tx_pwr</i>	Optics tx-pwr value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zrp-optics cd-min cd-max

zrp-optics cd-min <cd_min> cd-max <cd_max>

Syntax Description

zrp-optics	zrp optics config
cd-min	cd-min input
<i>cd_min</i>	Optics cd-min value
cd-max	cd-max input
<i>cd_max</i>	Optics cd-max value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zrp-optics dwdm-carrier 100GHz-grid frequency

zrp-optics dwdm-carrier 100GHz-grid frequency <freq_100ghz_val>

Syntax Description

zrp-optics	zrp optics config
dwdm-carrier	dwdm-carrier input mode
100GHz-grid	Optics dwdm carrier mode 100GHz
frequency	frequency 100MHz input
<i>freq_100ghz_val</i>	Optics frequency 100GHz value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zrp-optics dwdm-carrier 100MHz-grid frequency

zrp-optics dwdm-carrier 100MHz-grid frequency <freq_100mhz_val>

Syntax Description

zrp-optics	zrp optics config
dwdm-carrier	dwdm-carrier input mode
100MHz-grid	Optics dwdm carrier mode 100MHz
frequency	frequency 100MHz input
<i>freq_100mhz_val</i>	Optics frequency 100MHz value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zrp-optics dwdm-carrier 50GHz-grid

```
zrp-optics dwdm-carrier 50GHz-grid { { frequency <freq_50ghz_val> } | { itu-channel <itu_chan_50ghz_val> } | { wavelength <wavelen_50ghz_val> } }
```

Syntax Description

zrp-optics	zrp optics config
dwdm-carrier	dwdm-carrier input mode
50GHz-grid	Optics dwdm carrier mode 50GHz
frequency	frequency 50GHz input
<i>freq_50ghz_val</i>	Optics frequency 50GHz value
itu-channel	itu-channel 50GHz input
<i>itu_chan_50ghz_val</i>	Optics itu-channel 50Ghz value
wavelength	wavelength 50GHz input
<i>wavelen_50ghz_val</i>	Optics wavelength 50GHz value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zrp-optics fec muxponder modulation dac-rate

[no] zrp-optics fec <fec_val> muxponder <mxp_val> modulation <mod_val> dac-rate <dr_val>

Syntax Description

no	(Optional) Negate a command or set its defaults
zrp-optics	zrp optics config
fec	fec input
<i>fec_val</i>	Optics FEC mode
muxponder	muxponder input
<i>mxp_val</i>	muxponder input
modulation	modulation input
<i>mod_val</i>	modulation input
dac-rate	dac-rate input
<i>dr_val</i>	Optics dac rate

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

zrp-optics transmit-power

zrp-optics transmit-power <tx_pwr>

Syntax Description

zrp-optics	zrp optics config
transmit-power	optics transmit-power
<i>tx_pwr</i>	Optics tx-pwr value

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

