



Cisco Nexus 9000 Series NX-OS Command Reference (Show 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 Show Commands 3

CHAPTER 2

A Show Commands 5

show aaa accounting 7

show aaa authentication 8

show aaa authentication login 9

show aaa authentication login ascii-authentication 10

show aaa authentication login error-enable 11

show aaa authentication login invalid-username-log 12

show aaa authorization 13

show aaa bypass-user 14

show aaa client radius statistics 15

show aaa groups 16

show aaa local user blocked 17

show aaa server radius statistics 18

show aaa user blocked 19

show aaa user default-role 20

show access-list 21

show access-list database 23

show access-list resource 24

show access-lists 26

show accounting log 27

show accounting log all 28

show accounting log last-index	29
show accounting log nvram	30
show accounting log nvram last-index	31
show accounting log nvram start-seqnum	32
show accounting log start-seqnum	33
show acl status	34
show amt process	35
show amt vrf all	36
show app-hosting bridge	37
show app-hosting detail	38
show app-hosting infra	39
show app-hosting list	40
show app-hosting resource	41
show app-hosting utilization	42
show archive log config	43
show arp access-lists	44

CHAPTER 3**B Show Commands 45**

show background	47
show banner exec	48
show banner motd	49
show bash-shell	50
show bfd clients	51
show bfd neighbors	52
show bgp	54
show bgp	55
show bgp	57
show bgp	61
show bgp	63
show bgp	65
show bgp bmp server	66
show bgp community	67
show bgp convergence	69
show bgp dampening dampened	70

show bgp dampening flap-statistics	72
show bgp dampening parameters	74
show bgp evi	76
show bgp extcommunity	77
show bgp l3vpn	79
show bgp large-community	80
show bgp neighbors	82
show bgp neighbors	84
show bgp neighbors commands	86
show bgp neighbors flap-statistics	87
show bgp neighbors paths	88
show bgp path-attribute discard	89
show bgp paths	91
show bgp peer-template	92
show bgp peer	93
show bgp prefix-list	94
show bgp private attr	95
show bgp private debug history	96
show bgp process	97
show bgp received-paths	98
show bgp regexp	100
show bgp rpki cache	101
show bgp rpki summary	102
show bgp rpki table ipv4	103
show bgp segment-routing srv6	104
show bgp self-originated	105
show bgp sessions	106
show bgp statistics	107
show bgp summary	108
show bgp summary	109
show boot	110
show boot auto-copy	111
show boot auto-copy list	112
show boot current	113

show boot mode	114
show boot order	115
show boot timings	116
show boot variables	117
show buffer-drop detail	118
show buffer-latency detail	119

CHAPTER 4
C Show Commands 121

show callhome	126
show callhome destination-profile	127
show callhome destination-profile profile	128
show callhome destination-profile profile CiscoTAC-1	129
show callhome destination-profile profile full-txt-destination	130
show callhome destination-profile profile short-txt-destination	131
show callhome transport-email	132
show callhome transport	133
show callhome user-def-cmds	134
show cdp	135
show cdp all	136
show cdp global	137
show cdp neighbors	138
show cdp neighbors detail	139
show cdp traffic interface2	140
show cdp traffic interface2 all	141
show cfs application	142
show cfs lock	143
show cfs lock	144
show cfs merge status	145
show cfs merge status	146
show cfs peers	147
show cfs peers	148
show cfs regions	149
show cfs static peers	150
show cfs status	151

show checkpoint	152
show checkpoint	153
show checkpoint summary	154
show class-map	155
show class-map type control-plane	156
show class-map type network-qos	157
show cli alias	158
show cli dynamic integers	159
show cli dynamic strings	160
show cli history	161
show cli interface table	162
show cli list	163
show cli syntax	164
show cli variables	165
show clock-interface	166
show clock	167
show config-profile	168
show config-profile applied	169
show config-replace log exec	170
show config-replace status	171
show configuration	172
show configuration	173
show configuration commit	174
show configuration failed	175
show configuration file	176
show configuration session	177
show configuration session	178
show configuration session global-info	179
show configuration session status	180
show configuration session summary	181
show configuration session vsh	182
show consistency-checker contract	183
show consistency-checker copp	184
show consistency-checker copp extended module	185

show consistency-checker dme interfaces	186
show consistency-checker dvif-sharing vlan	187
show consistency-checker egress-xlate private-vlan	188
show consistency-checker ehm interface	189
show consistency-checker epbr policy	190
show consistency-checker epbr service-chain	191
show consistency-checker fcoe	192
show consistency-checker fex-interfaces fabric	194
show consistency-checker fex-interfaces fabric egress-xlate private-vlan	195
show consistency-checker fex-interfaces fex	196
show consistency-checker forwarding	197
show consistency-checker forwarding ipv6	198
show consistency-checker forwarding single-route ipv4 vrf	199
show consistency-checker fsync	200
show consistency-checker gwmacdb	201
show consistency-checker hardware-telemetry inband brief	202
show consistency-checker hardware-telemetry postcard brief	203
show consistency-checker itd	204
show consistency-checker itd ingress interface source destination	205
show consistency-checker itd ingress vlan	206
show consistency-checker kim	207
show consistency-checker kim interface	208
show consistency-checker l2-tahoe sub-interface	209
show consistency-checker l2-tahoe sub-interface vlan	210
show consistency-checker l2-tahoe switchport	211
show consistency-checker l2 mac-address	212
show consistency-checker l2 multicast group source vlan	213
show consistency-checker l2 multicast mac vlan	214
show consistency-checker l3-interface	215
show consistency-checker l3 multicast group source vrf	216
show consistency-checker link-state fabric-ieth	217
show consistency-checker link-state module	218
show consistency-checker macsec interface	219
show consistency-checker membership port-channels	220

show consistency-checker membership vlan	221
show consistency-checker module	222
show consistency-checker monitor session	223
show consistency-checker multicast nlb cluster-ip vrf	224
show consistency-checker multicast vlan	225
show consistency-checker niv-datapath interface	226
show consistency-checker pacl extended ingress ip interface	227
show consistency-checker pacl extended ingress ip module	228
show consistency-checker pacl extended ingress ipv6 module	229
show consistency-checker pacl extended ingress ipv6 interface	230
show consistency-checker pacl extended ingress mac module	231
show consistency-checker pacl extended ingress mac interface	232
show consistency-checker pacl extended module	233
show consistency-checker pacl module	234
show consistency-checker pacl port-channels	235
show consistency-checker port-state	236
show consistency-checker port-state fabric-ieth	237
show consistency-checker pv-mapping	238
show consistency-checker pv-mapping interface	239
show consistency-checker qinq	240
show consistency-checker racl extended egress ipv6 module	241
show consistency-checker racl extended egress ip module	242
show consistency-checker racl extended egress ip interface	243
show consistency-checker racl extended egress ipv6 interface	244
show consistency-checker racl extended ingress ipv6 interface	245
show consistency-checker racl extended ingress ip module	246
show consistency-checker racl extended ingress ipv6 module	247
show consistency-checker racl extended ingress ip interface	248
show consistency-checker racl extended module	249
show consistency-checker racl module	250
show consistency-checker racl port-channels	251
show consistency-checker racl svi interface	252
show consistency-checker segment-routing mpls	253
show consistency-checker selective-qinq	254

show consistency-checker selective-qinq interface	255
show consistency-checker sflow	256
show consistency-checker storm-control	257
show consistency-checker stp-state vlan	258
show consistency-checker tap-aggregation qinq	259
show consistency-checker tap-aggregation qinq interface	260
show consistency-checker transceiver	261
show consistency-checker vacl	262
show consistency-checker vacl extended ingress ip vlan	263
show consistency-checker vacl extended ingress ipv6 vlan	264
show consistency-checker vacl extended ingress mac vlan	265
show consistency-checker vpc	266
show consistency-checker vpgrouping interface	267
show consistency-checker vxlan config-check	268
show consistency-checker vxlan infra	269
show consistency-checker vxlan l2 mac-address module	270
show consistency-checker vxlan l2 module	271
show consistency-checker vxlan l2pt	272
show consistency-checker vxlan l3 single-route ipv4 vrf	273
show consistency-checker vxlan l3 vrf start	274
show consistency-checker vxlan mh mac-addresses	275
show consistency-checker vxlan mh pathlist	276
show consistency-checker vxlan pv	277
show consistency-checker vxlan pv interface	278
show consistency-checker vxlan qinq-qinvni	279
show consistency-checker vxlan qinvni	280
show consistency-checker vxlan selective-qinvni	281
show consistency-checker vxlan selective-qinvni interface	282
show consistency-checker vxlan vlan	283
show consistency-checker vxlan xconnect	284
show controller accounting log	285
show copp diff profile profile2	286
show copp profile	287
show copp status	288

show copyright	289
show cores	290
show crypto ca certificates	291
show crypto ca certificates	292
show crypto ca certstore	293
show crypto ca crl	294
show crypto ca remote-certstore	295
show crypto ca trustpoints	296
show crypto ca trustpool	297
show crypto ca trustpool last download status	298
show crypto ca trustpool policy	299
show crypto certificatemap	300
show crypto key mypubkey ecc	301
show crypto key mypubkey rsa	302
show crypto ssh-auth-map	303
show current	304

CHAPTER 5**D Show Commands 305**

show dampening interface	307
show device-alias database	308
show device-alias merge status	309
show device-alias name	310
show device-alias pending-diff	311
show device-alias pending	312
show device-alias pwwn	313
show device-alias session rejected	314
show device-alias session status	315
show device-alias statistics	316
show device-alias status	317
show diagnostic bootup level	318
show diagnostic content module	319
show diagnostic description module test all	320
show diagnostic events	321
show diagnostic ondemand setting	322

show diagnostic result module	323
show diagnostic result module all	324
show diagnostic simulation module	325
show diagnostic status module	326
show diff rollback-patch	327
show diff running	328
show dot1q-tunnel	329
show dot1q-tunnel interface	330
show dot1x	331
show dot1x all	332
show dot1x all details	333
show dot1x all statistics	334
show dot1x all summary	335
show dot1x interface	336
show dot1x interface client statistics	337
show dot1x interface client statistics address	338
show dpvm database	339
show dpvm fip	340
show dpvm merge statistics	341
show dpvm merge status	342
show dpvm pending-diff	343
show dpvm pending	344
show dpvm ports	345
show dpvm session status	346
show dpvm status	347

CHAPTER 6**E Show Commands 349**

show ecp	350
show elam report	351
show email	352
show encryption service status	353
show environment	354
show environment power history	355
show epbr policy	356

show epbr service-chain	357
show epbr service	358
show epbr statistics policy	359
show errdisable detect	360
show errdisable flap	361
show esmc counters interface	362
show esmc packet-trace	363
show ethalyzer background-session	364
show evb	365
show evb hosts	366
show evb vsi	367
show event manager environment	368
show event manager event-types	369
show event manager events action-log	370
show event manager history events	371
show event manager policy-state	372
show event manager script system	373
show event manager system-policy	374

CHAPTER 7
F Show Commands 375

show fabric-binding database	381
show fabric-binding efmd statistics	382
show fabric-binding fip	383
show fabric-binding statistics	384
show fabric-binding status	385
show fabric-binding violations	386
show fabric database dc1	387
show fabric database host	388
show fabric database host statistics	389
show fabric database host summary	390
show fabric database profile-map	391
show fabric database static-host	392
show fabric database statistics	393
show fabric forwarding host-db	394

show fabric forwarding ip local	395
show fabric forwarding ipv6 local	396
show fabric multicast globals	397
show fabric multicast ipv4 l2 vni	398
show fabric multicast statistics	399
show fabric multicast vrf	400
show fabric switch information	401
show fc2 bind	402
show fc2 bind	403
show fc2 classf	404
show fc2 classf	405
show fc2 exchange	406
show fc2 exchange	407
show fc2 exchresp	408
show fc2 exchresp	409
show fc2 flogi	410
show fc2 flogi	411
show fc2 nport	412
show fc2 nport	413
show fc2 plogi	414
show fc2 plogi	415
show fc2 plogi_pwwn	416
show fc2 plogi_pwwn	417
show fc2 port brief	418
show fc2 port brief	419
show fc2 port drops	420
show fc2 port drops	421
show fc2 port state	422
show fc2 port state	423
show fc2 socket	424
show fc2 socket	425
show fc2 sockexch	426
show fc2 sockexch	427
show fc2 socknotify	428

show fc2 socknotify	429
show fc2 socknport	430
show fc2 socknport	431
show fc2 vsan	432
show fc2 vsan	433
show fcalias	434
show fcdomain	435
show fcdomain address-allocation	436
show fcdomain allowed	437
show fcdomain domain-list	438
show fcdomain fcid persistent	439
show fcdomain pending-diff	440
show fcdomain pending	441
show fcdomain session-status	442
show fcdomain statistics	443
show fcdomain status	444
show fcdomain vsan	445
show fcdroplateny	446
show fcid-allocation area	447
show fcid-allocation company-id-from-wwn	448
show fcns database	449
show fcns statistics	451
show fcoe-npv issu-impact	452
show fcoe	453
show fcoe database	454
show fcs database	455
show fcs ie	456
show fcs platform	457
show fcs port	458
show fcs statistics	459
show fcs vsan	460
show fctimer	461
show fctimer D_S_TOV	462
show fctimer E_D_TOV	463

show fctimer F_S_TOV	464
show fctimer R_A_TOV	465
show fctimer last action status	466
show fctimer pending-diff	467
show fctimer pending	468
show fctimer session status	469
show fctimer status	470
show fctimer vsan	471
show fdmi database	472
show fdmi database detail	473
show fdmi database detail hba-id vsan	474
show fdmi database detail vsan	475
show fdmi database vsan	476
show fdmi suppress-updates	477
show feature-set	478
show feature-set services	479
show feature	480
show fex interface priority-flow-control	481
show fhrp	482
show fhrp verbose	483
show file	484
show filter details	485
show filter summary	486
show fips status	487
show flogi auto-area-list	488
show flogi database	489
show flow cache	490
show flow cache	491
show flow event	492
show flow exporter	493
show flow filter	494
show flow interface	495
show flow monitor	496
show flow profile	497

show flow record	498
show flow rtp	499
show flow rtp timeout	500
show flow system	501
show flow timeout	502
show flow tracer	503
show flow traffic-analytics	504
show flow vrf	505
show forwarding	506
show forwarding adjacency	507
show forwarding consistency-fretta l2	508
show forwarding distribution clients	509
show forwarding distribution evpn storm-control	510
show forwarding distribution fib-state	511
show forwarding distribution ip igmp snooping	512
show forwarding distribution ipv6 multicast route	513
show forwarding distribution l2 multicast	514
show forwarding distribution multicast	515
show forwarding distribution multicast client-ack-db	516
show forwarding distribution multicast client	517
show forwarding distribution multicast download	518
show forwarding distribution multicast mfib	519
show forwarding distribution multicast outgoing-interface-list L2_PRIME	520
show forwarding distribution multicast resp-ack-timer-msgs	521
show forwarding distribution multicast route	522
show forwarding distribution multicast route sr um-nat	523
show forwarding distribution multicast sr hash-db	524
show forwarding distribution multicast unique-v6sources	525
show forwarding distribution multicast vxlan dsg-db	526
show forwarding distribution multicast vxlan mdt-db	527
show forwarding distribution multicast vxlan mdt-db pss	528
show forwarding distribution multicast vxlan vlan-db	529
show forwarding distribution nve overlay-vlan	530
show forwarding distribution peer-id	531

show forwarding distribution srv6 local-sid bd-mapping	532
show forwarding distribution trace	533
show forwarding ecmp	534
show forwarding ecmp recursive	535
show forwarding inconsistency	536
show forwarding interfaces	537
show forwarding ipv6	538
show forwarding ipv6 adjacency	540
show forwarding ipv6 inconsistency	541
show forwarding ipv6 multicast route	542
show forwarding kvfib cache on	543
show forwarding kvfib file debug	544
show forwarding kvfib socket descriptor	545
show forwarding l2 multicast	546
show forwarding l2vpn label vpls	547
show forwarding l2vpn label xconnect	548
show forwarding l2vpn vlan	549
show forwarding mpls	550
show forwarding mpls drop-stats	551
show forwarding mpls ecmp	552
show forwarding mpls eompls	553
show forwarding mpls eompls ir	554
show forwarding mpls option_b	555
show forwarding mpls srte module	556
show forwarding mpls summary	557
show forwarding multicast-sr loopback interface	558
show forwarding multicast-sr mac-trap-db	559
show forwarding multicast outgoing-interface-list	560
show forwarding multicast pvlan replicated-routes	561
show forwarding multicast route	562
show forwarding nve l2 ingress-replication-peers	564
show forwarding nve l3 adjacency tunnel	565
show forwarding nve l3 adjacency v6-tunnel	566
show forwarding nve l3 ecmp	567

show forwarding nve l3 peers	568
show forwarding nve underlay-interfaces	569
show forwarding otv	570
show forwarding otv ipv6 multicast route	571
show forwarding otv multicast outgoing-interface-list	572
show forwarding otv multicast route	573
show forwarding otv vlan	574
show forwarding proactive-cc inconsistencies	575
show forwarding security group-tag	576
show forwarding security mac	577
show forwarding srv6 adjacency decap	578
show forwarding srv6 adjacency encap	579
show forwarding srv6 bsid-peer	580
show forwarding srv6 bsid	581
show forwarding srv6 ecmp	582
show forwarding srv6 local-sid	583
show forwarding srv6 peers	584
show forwarding trace	585
show forwarding trace profile	586
show forwarding trace profile funcstats	587
show frequency synchronization clock-interface brief	588
show frequency synchronization clock-interface detail	589
show frequency synchronization configuration errors	590
show frequency synchronization interface	591
show frequency synchronization interface brief	592
show frequency synchronization selection	593
show fspf	594
show fspf database	595
show fspf interface	596
show fspf vsan	597
show fspf vsan interface	598
show fte event	599
show fte exporter	600
show fte monitor	601

show fte record 602

CHAPTER 8**G Show Commands 603**

show gnss-receiver 604

show guestshell 605

CHAPTER 9**H Show Commands 607**

show hardware 609

show hardware access-list lou resource threshold 610

show hardware access-list resource pooling 611

show hardware access-list team 612

show hardware capacity 613

show hardware capacity eobe 614

show hardware capacity fabric-utilization 615

show hardware capacity forwarding 616

show hardware capacity interface 617

show hardware capacity module 618

show hardware capacity power 619

show hardware deduplication tah-age-history 620

show hardware deduplication tah-detail 621

show hardware deduplication tah-summary 622

show hardware fabricpath mac-learning module 623

show hardware feature-capability 624

show hardware flow aging 625

show hardware flow entry address type 626

show hardware flow ip 627

show hardware flow ipv6 628

show hardware flow l2 629

show hardware flow mpls 630

show hardware flow sampler 631

show hardware flow tah-etrap 632

show hardware flow utilization 633

show hardware forwarding interface statistics mode 634

show hardware forwarding memory health detail 635

show hardware forwarding memory health summary	636
show hardware ip verify	637
show hardware profile dlb	638
show hardware profile forwarding-mode	639
show hardware profile module	640
show hardware profile npu power	641
show hardware profile packet-drop	642
show hardware profile portmode	643
show hardware profile status	644
show hardware profile tcam region	645
show hardware qos afd profile	646
show hardware qos burst-detect max-records	647
show hardware qos eoq stats-class	648
show hardware qos include ipg	649
show hardware qos ing-pg-hdrm-reserve	650
show hardware qos ing-pg-no-min	651
show hardware qos ing-pg-share	652
show hardware qos min-buffer	653
show hardware qos ns-buffer-profile	654
show hardware qos ns-mcq3-alias	655
show hardware rate-limiter	656
show hardware rate-limiter	657
show hardware rate-limiter span-egress	658
show hardware vxlan storm-control	659
show hostname	660
show hosts	661
show hsrp	662
show hsrp anycast	663
show hsrp anycast interface vlan	664
show hsrp anycast remote-db	665
show hsrp anycast summary	666
show hsrp bfd-sessions	667
show hsrp delay	668
show hsrp mgo	669

show hsrp summary 670

CHAPTER 10

I Show Commands 671

show ieth-header-decode 682

show inband-telemetry exporter 683

show inband-telemetry flow-profile 684

show inband-telemetry monitor 685

show inband-telemetry queue-profile 686

show inband-telemetry record 687

show inband-telemetry sessions 688

show inband-telemetry watchlist 689

show incompatibility-all system 690

show incompatibility system 691

show install 692

show install all failed-standby 693

show install all failure-reason 694

show install all impact 695

show install all impact epld 696

show install all progress 697

show install all status 698

show install all time-stats 699

show install epld status 700

show install log 701

show install mode 702

show install packages 703

show install patches 704

show interface 705

show interface 706

show interface 707

show interface 708

show interface 709

show interface 710

show interface 711

show interface 712

show interface	713
show interface	714
show interface	715
show interface aggregate-counters	716
show interface aggregate-counters	717
show interface bbcredit	718
show interface brief	719
show interface brief	720
show interface brief	721
show interface brief	722
show interface brief	723
show interface brief	724
show interface brief	725
show interface brief	726
show interface brief	727
show interface cable-diagnostics-tdr	728
show interface capabilities	729
show interface capabilities	730
show interface capabilities	731
show interface chassis-info	732
show interface chassis-info detail	733
show interface counters	734
show interface counters	735
show interface counters	736
show interface counters	737
show interface counters	738
show interface counters	739
show interface counters	740
show interface counters	741
show interface counters brief	742
show interface counters brief	743
show interface counters detailed	744
show interface counters detailed	745
show interface counters detailed	746

show interface counters detailed	747
show interface counters detailed all	748
show interface counters detailed all	749
show interface counters detailed all	750
show interface counters detailed all	751
show interface counters detailed all	752
show interface counters detailed cached	753
show interface counters details	754
show interface counters details	755
show interface counters errors	756
show interface counters errors	757
show interface counters errors	758
show interface counters fc	759
show interface counters snmp	760
show interface counters snmp	761
show interface counters storm-control	762
show interface counters storm-control	763
show interface counters storm-control multi-threshold	764
show interface counters table	765
show interface counters trunk	766
show interface dampening	767
show interface debounce	768
show interface debounce	769
show interface description	770
show interface description	771
show interface description	772
show interface description	773
show interface description	774
show interface description	775
show interface description	776
show interface description	777
show interface detail-counters	778
show interface fcoe	779
show interface fec	780

show interface flowcontrol	781
show interface flowcontrol	782
show interface hardware-mappings	783
show interface mac-address	784
show interface mac-address	785
show interface priority-flow-control	786
show interface private-vlan mapping	787
show interface pruning	788
show interface queuing-drop history brief	789
show interface queuing-drop history detail	790
show interface snmp-ifindex	791
show interface status	792
show interface status	793
show interface status	794
show interface status	795
show interface status	796
show interface status	797
show interface status	798
show interface status err-disabled	799
show interface status err-disabled	800
show interface status err-vlans	801
show interface status err-vlans	802
show interface storm-control multi-threshold	803
show interface switchport	804
show interface switchport	805
show interface switchport backup	806
show interface transceiver	807
show interface transceiver	808
show interface transceiver	809
show interface transceiver alarms	810
show interface transceiver fex-fabric	811
show interface transceiver fex-fabric	812
show interface transceiver performance-monitoring current fec	813
show interface transceiver performance-monitoring history fec interval	814

show interface trunk	815
show interface trunk	816
show interface trunk vsan	817
show interface trunk vsan	818
show interface untagged-cos	819
show interface vlan mapping	820
show inventory	821
show ip adjacency	822
show ip amt relay	823
show ip amt route	824
show ip amt tunnel	825
show ip arp	826
show ip arp anycast topo-info	827
show ip arp client	828
show ip arp controller-statistics	829
show ip arp inspection	830
show ip arp inspection interfaces	831
show ip arp inspection log	832
show ip arp inspection statistics	833
show ip arp inspection vlan	834
show ip arp l2 statistics interface	835
show ip arp multihoming-statistics	836
show ip arp off-list	837
show ip arp open-flow error-statistics	838
show ip arp static remote	839
show ip arp statistics	840
show ip arp suppression-cache	841
show ip arp suppression topo-info	842
show ip arp tunnel-statistics	843
show ip arp vpc-statistics	844
show ip as-path-access-list	845
show ip client	846
show ip community-list	847
show ip dhcp global statistics	848

show ip dhcp option82 suboption info interface	849
show ip dhcp relay	850
show ip dhcp relay address	851
show ip dhcp relay information trusted-sources	852
show ip dhcp relay statistics	853
show ip dhcp snooping	854
show ip dhcp snooping binding	855
show ip dhcp snooping statistics	856
show ip dhcp status	857
show ip dns source-interface	858
show ip dns source-interface vrf all	859
show ip eigrp	860
show ip eigrp accounting	861
show ip eigrp interfaces	862
show ip eigrp traffic	863
show ip extcommunity-list	864
show ip fib distribution	865
show ip fib distribution mroute	866
show ip fib distribution multicast	867
show ip fib mroute	868
show ip fib route	869
show ip ftp source-interface	871
show ip ftp source-interface vrf all	872
show ip http source-interface	873
show ip http source-interface vrf all	874
show ip igmp groups	875
show ip igmp interface	876
show ip igmp local-groups	877
show ip igmp policy statistics reports	878
show ip igmp snooping	879
show ip igmp snooping explicit-tracking	880
show ip igmp snooping filter details	881
show ip igmp snooping groups	882
show ip igmp snooping lookup-mode	883

show ip igmp snooping mac-oif	884
show ip igmp snooping mrouter	885
show ip igmp snooping otv vlan brief	886
show ip igmp snooping pw vlan brief	887
show ip igmp snooping querier	888
show ip igmp snooping report statistics	889
show ip igmp snooping statistics	890
show ip igmp vrf all	891
show ip interface	892
show ip large-community-list	893
show ip lisp	894
show ip lisp data-cache	895
show ip lisp locator-hash	896
show ip lisp map-cache	897
show ip lisp statistics	898
show ip lisp translate-cache	899
show ip load-sharing	900
show ip local policy	901
show ip logging	902
show ip mbgp	903
show ip mbgp	905
show ip mbgp community	906
show ip mbgp dampening	907
show ip mbgp extcommunity	908
show ip mbgp flap-statistics	909
show ip mbgp neighbors	910
show ip mbgp nexthop-database	912
show ip mbgp nexthop	913
show ip mbgp prefix-list	914
show ip mbgp received-paths	915
show ip mroute	916
show ip msdp count	918
show ip msdp mesh-group	919
show ip msdp peer	920

show ip msdp policy statistics sa-policy in	921
show ip msdp rpf	922
show ip msdp sa	923
show ip msdp sources	924
show ip msdp statistics	925
show ip msdp summary	926
show ip multicast vrf	927
show ip nat-alias	928
show ip nat max	929
show ip nat statistics	930
show ip nat timeout	931
show ip nat translations	932
show ip ospf	933
show ip ospf border-routers	934
show ip ospf database	935
show ip ospf database database-summary	937
show ip ospf database detail	938
show ip ospf interface	940
show ip ospf interface brief	941
show ip ospf lsa-content-changed-list	942
show ip ospf neighbors	943
show ip ospf neighbors detail	944
show ip ospf neighbors summary	945
show ip ospf request-list	946
show ip ospf retransmission-list	947
show ip ospf route	948
show ip ospf route summary	949
show ip ospf segment-routing adj-sid-database	950
show ip ospf segment-routing global-block	951
show ip ospf segment-routing sid-database	952
show ip ospf sham-links	953
show ip ospf sham-links brief	954
show ip ospf statistics	955
show ip ospf summary-address	956

show ip ospf traffic	957
show ip ospf virtual-links	958
show ip ospf virtual-links brief	959
show ip pim config-sanity	960
show ip pim df	961
show ip pim fabric info	962
show ip pim fabric legacy-vlans	963
show ip pim group-range	964
show ip pim host-proxy	965
show ip pim interface show ip pim interface	966
show ip pim mdt	967
show ip pim mdt bgp	968
show ip pim mdt history interval	969
show ip pim mdt receive	970
show ip pim mdt send	971
show ip pim neighbor	972
show ip pim oif-list	973
show ip pim pfm-sd cache	974
show ip pim policy statistics	975
show ip pim policy statistics jp	976
show ip pim route	977
show ip pim rp-hash	978
show ip pim rp	979
show ip pim statistics	980
show ip pim vrf	981
show ip ping source-interface	982
show ip ping source-interface vrf all	983
show ip policy	984
show ip prefix-list	985
show ip process	986
show ip rip	987
show ip rip interface	988
show ip rip neighbor	989
show ip rip policy statistics redistribute	990

show ip rip route	991
show ip rip statistics	992
show ip route	993
show ip sla application	995
show ip sla configuration	996
show ip sla enhanced-history collection-statistics	997
show ip sla enhanced-history distribution-statistics	998
show ip sla group schedule	999
show ip sla history	1000
show ip sla reaction-configuration	1001
show ip sla reaction-trigger	1002
show ip sla responder	1003
show ip sla statistics	1004
show ip sla twamp connection detail	1005
show ip sla twamp connection requests	1006
show ip sla twamp session	1007
show ip sla twamp standards	1008
show ip ssh source-interface	1009
show ip ssh source-interface vrf all	1010
show ip static-route	1011
show ip tcp mss	1012
show ip telnet source-interface	1013
show ip telnet source-interface vrf all	1014
show ip tftp source-interface	1015
show ip tftp source-interface vrf all	1016
show ip traceroute source-interface	1017
show ip traceroute source-interface vrf all	1018
show ip traffic	1019
show ip traffic pps	1020
show ip udp relay	1021
show ip udp relay interface	1022
show ip udp relay object-group	1023
show ip verify source	1024
show ipt details	1025

show ipv6 adjacency	1026
show ipv6 adjacency aggregate-prefix	1027
show ipv6 adjacency subnet-prefix	1028
show ipv6 amt tunnel	1029
show ipv6 bgp	1030
show ipv6 bgp	1031
show ipv6 bgp community	1032
show ipv6 bgp dampening	1033
show ipv6 bgp extcommunity	1034
show ipv6 bgp flap-statistics	1035
show ipv6 bgp neighbors	1036
show ipv6 bgp nexthop-database	1037
show ipv6 bgp nexthop	1038
show ipv6 bgp received-paths	1039
show ipv6 bgp regexp	1040
show ipv6 bgp summary	1041
show ipv6 client	1042
show ipv6 dhcp guard policy	1043
show ipv6 dhcp relay	1044
show ipv6 dhcp relay prefix-delegation	1045
show ipv6 dhcp relay prefix-delegation detail	1046
show ipv6 dhcp relay statistics	1047
show ipv6 fragments	1048
show ipv6 icmp	1049
show ipv6 icmp global traffic	1050
show ipv6 icmp interface	1051
show ipv6 icmp l2 statistics	1052
show ipv6 icmp nd local-proxy stats	1053
show ipv6 icmp neighbor static remote	1054
show ipv6 icmp off-list	1055
show ipv6 icmp vaddr	1056
show ipv6 icmp vpc-statistics	1057
show ipv6 interface	1058
show ipv6 lisp data-cache	1059

show ipv6 local policy	1060
show ipv6 mld global traffic	1061
show ipv6 mld groups	1062
show ipv6 mld interface	1063
show ipv6 mld local-groups	1064
show ipv6 mld snooping	1065
show ipv6 mld snooping explicit-tracking	1066
show ipv6 mld snooping filter details	1067
show ipv6 mld snooping groups	1068
show ipv6 mld snooping lookup-mode	1069
show ipv6 mld snooping mrouter	1070
show ipv6 mld snooping otv vlan brief	1071
show ipv6 mld snooping pw vlan brief	1072
show ipv6 mld snooping querier	1073
show ipv6 mld snooping report statistics	1074
show ipv6 mld snooping statistics	1075
show ipv6 mroute	1076
show ipv6 mtu	1077
show ipv6 multicast vrf	1078
show ipv6 nd addr-registry	1079
show ipv6 nd ra dns search-list	1080
show ipv6 nd ra dns server	1081
show ipv6 nd rguard policy	1082
show ipv6 nd suppression-cache	1083
show ipv6 neighbor binding	1084
show ipv6 neighbor binding mac	1085
show ipv6 neighbor static	1086
show ipv6 pim df	1087
show ipv6 pim fabric info	1088
show ipv6 pim fabric legacy-vlans	1089
show ipv6 pim group-range	1090
show ipv6 pim interface	1091
show ipv6 pim mdt	1092
show ipv6 pim mdt bgp	1093

show ipv6 pim mdt history interval	1094
show ipv6 pim mdt receive	1095
show ipv6 pim mdt send	1096
show ipv6 pim neighbor	1097
show ipv6 pim oif-list	1098
show ipv6 pim policy statistics jp	1099
show ipv6 pim route	1100
show ipv6 pim rp-hash	1101
show ipv6 pim rp	1102
show ipv6 pim statistics	1103
show ipv6 pim vrf	1104
show ipv6 policy	1105
show ipv6 prefix-list	1106
show ipv6 process	1107
show ipv6 rguard statistics	1108
show ipv6 rip policy statistics redistribute	1109
show ipv6 route	1110
show ipv6 routers	1112
show ipv6 snooping capture-policy	1113
show ipv6 snooping counters vlan	1114
show ipv6 snooping events	1115
show ipv6 snooping features	1116
show ipv6 snooping messages	1117
show ipv6 snooping policies	1118
show ipv6 snooping policy	1119
show ipv6 snooping pss database	1120
show ipv6 static-route	1121
show ipv6 traffic	1122
show isis	1123
show isis adjacency	1124
show isis csnp	1125
show isis database	1126
show isis distribute-ls	1127
show isis dynamic-flooding	1128

show isis interface	1129
show isis ipv6 redistribute route	1130
show isis ipv6 route	1131
show isis ipv6 summary-address	1132
show isis lslib	1133
show isis mesh-group	1135
show isis redistribute route	1136
show isis route	1137
show isis rrm	1138
show isis segment-routing mapcache	1139
show isis segment-routing remote-srgb	1140
show isis segment-routing sids	1141
show isis segment-routing srv6	1142
show isis segment-routing srv6 locators	1143
show isis spf-log	1144
show isis srm	1145
show isis ssn	1146
show isis statistics	1147
show isis summary-address	1148
show isis topology	1149
show isis traffic	1150
show itd	1151
show itd session device-group	1152
show itd statistics	1153
show itd vrf	1154
show itu channel	1155

CHAPTER 11**K Show Commands 1157**

show key chain	1158
show key chain mode decrypt	1159
show keystore	1160
show kim inconsistency	1161
show kubernetes containers	1162

CHAPTER 12

L Show Commands 1163

- show l2 mroute 1170
- show l2 multicast ftag 1171
- show l2 multicast trees 1172
- show l2 route 1173
- show l2rib clients 1174
- show l2rib producers 1175
- show l2rib registrations 1177
- show l2route cmcast topology 1178
- show l2route evpn ead 1179
- show l2route evpn ethernet-segment esi 1180
- show l2route evpn fl all 1181
- show l2route evpn fl evi 1182
- show l2route evpn imet all 1183
- show l2route evpn imet evi 1184
- show l2route evpn mac-ip all 1185
- show l2route evpn mac-ip evi 1186
- show l2route evpn mac all 1187
- show l2route evpn mac evi 1188
- show l2route evpn path-list all 1189
- show l2route evpn startup-route all 1190
- show l2route evpn startup-route evi 1191
- show l2route evpn topo-child-attr all 1192
- show l2route evpn topo-child-attr evi 1193
- show l2route fhs topology 1194
- show l2route fl topology 1195
- show l2route mac topology 1196
- show l2route peerid 1197
- show l2route spmsi topology 1198
- show l2route summary 1199
- show l2route topology 1200
- show l2route topology 1201
- show lacp counters 1202

show lacp interface	1203
show lacp issu-impact	1204
show lacp neighbor	1205
show lacp port-channel	1206
show lacp system-identifier	1207
show lcmd dot1x address	1208
show lcmd dot1x port	1209
show lcmd stats interface	1210
show ldap-search-map	1211
show ldap-server	1212
show ldap-server groups	1213
show ldap-server statistics	1214
show license	1215
show license all	1216
show license brief	1217
show license certs	1218
show license data conversion	1219
show license default	1220
show license eventlog	1221
show license feature package mapping	1222
show license file	1223
show license history message	1224
show license host-id	1225
show license rum id	1226
show license status	1227
show license summary	1228
show license tech support	1229
show license udi	1230
show license usage	1231
show license version	1232
show line	1233
show line console	1234
show line console connected	1235
show line console user-input-string	1236

show lisp ddt	1237
show lisp ddt queue	1238
show lisp ddt referral-cache	1239
show lisp dynamic-eid	1240
show lisp elp	1241
show lisp negative-prefix	1242
show lisp proxy-itr	1243
show lisp site	1244
show lisp site instance-id	1245
show lldp all	1246
show lldp dcBX interface	1247
show lldp entry	1248
show lldp interface	1249
show lldp neighbors	1250
show lldp neighbors detail	1251
show lldp neighbors system-detail	1252
show lldp poe interface	1253
show lldp portid-subtype	1254
show lldp timers	1255
show lldp tlv-select	1256
show lldp traffic	1257
show lldp traffic interface	1258
show lldp traffic interface all	1259
show locator-led status	1260
show logging	1261
show logging console	1262
show logging dropcount	1263
show logging history	1264
show logging info	1265
show logging last	1266
show logging level	1267
show logging level	1268
show logging level aaa	1270
show logging level aCL	1271

show logging level aclmgr	1272
show logging level adbm	1273
show logging level adjmgr	1274
show logging level amt	1275
show logging level app-hosting	1276
show logging level arp	1277
show logging level ascii-cfg	1278
show logging level assoc_mgr	1279
show logging level backup	1280
show logging level bfd	1281
show logging level bgp	1282
show logging level bloggerd	1283
show logging level bootvar	1284
show logging level callhome	1285
show logging level capability	1286
show logging level cdp	1287
show logging level cert_enroll	1288
show logging level cfs	1289
show logging level clis	1290
show logging level clk_mgr	1291
show logging level confcheck	1292
show logging level copp	1293
show logging level core-dmon	1294
show logging level cryptopqc	1295
show logging level cts	1296
show logging level device-alias	1297
show logging level dhclient	1298
show logging level dhcp_snoop	1299
show logging level diagnostic diag_port_lb	1300
show logging level diagnostic diagclient	1301
show logging level diagnostic diagmgr	1302
show logging level dot1x	1303
show logging level dpvm	1304
show logging level ecp	1305

show logging level eigrp	1306
show logging level eltm	1307
show logging level epbr	1308
show logging level epp	1309
show logging level ethdstats	1310
show logging level ethpm	1311
show logging level evb	1312
show logging level evmc	1313
show logging level evmed	1314
show logging level evms	1315
show logging level fabric forwarding	1316
show logging level fabricpath isis	1317
show logging level fabricpath switch-id	1318
show logging level fc2d	1319
show logging level fcdomain	1320
show logging level fcns	1321
show logging level fcoe_mgr	1322
show logging level fcs	1323
show logging level fdmi	1324
show logging level feature-mgr	1325
show logging level flogi	1326
show logging level fs-daemon	1327
show logging level fspf	1328
show logging level fsync_mgr	1329
show logging level gpixm	1330
show logging level hardware-telemetry	1331
show logging level hsrp	1332
show logging level igmp	1333
show logging level im	1334
show logging level imp	1335
show logging level interface-vlan	1336
show logging level ip sla responder	1337
show logging level ip sla sender	1338
show logging level ip sla twamp-server	1339

show logging level ipconf	1340
show logging level ipfib	1341
show logging level ipqos	1342
show logging level ipv6 icmp	1343
show logging level ipv6 mfw	1344
show logging level ipv6 pim	1345
show logging level iscm	1346
show logging level iscm	1347
show logging level isis	1348
show logging level l2fm	1349
show logging level l2rib	1350
show logging level l3vm	1351
show logging level lacp	1352
show logging level ldap	1353
show logging level lim	1354
show logging level lisp	1355
show logging level lldp	1356
show logging level m2rib	1357
show logging level mfdm	1358
show logging level mfw	1359
show logging level mld	1360
show logging level mmode	1361
show logging level module	1362
show logging level monitor	1363
show logging level mpls manager	1364
show logging level mpls switching	1365
show logging level msdp	1366
show logging level mvsh	1367
show logging level nat	1368
show logging level nbm	1369
show logging level netstack	1370
show logging level nfm	1371
show logging level ngmvpn	1372
show logging level ngoam	1373

show logging level npv	1374
show logging level ntp	1375
show logging level nve	1376
show logging level nxsdk	1377
show logging level ofm	1378
show logging level ospf	1379
show logging level ospfv3	1380
show logging level otv isis	1381
show logging level pfstat	1382
show logging level pim	1383
show logging level pixm	1384
show logging level pktmgr	1385
show logging level platform	1386
show logging level plcmgr	1387
show logging level pltfm_config	1388
show logging level pltm	1389
show logging level plugin	1390
show logging level poed	1391
show logging level port-channel	1392
show logging level port-profile	1393
show logging level port-resources	1394
show logging level port-security	1395
show logging level port	1396
show logging level private-vlan	1397
show logging level ptp	1398
show logging level radius	1399
show logging level rdl	1400
show logging level res_mgr	1401
show logging level rib	1402
show logging level rip	1403
show logging level routing ipv6 multicast	1404
show logging level routing multicast	1405
show logging level rpm	1406
show logging level rscn	1407

show logging level sal	1408
show logging level san-port-channel	1409
show logging level san-port-channel	1410
show logging level scheduler	1411
show logging level scsi-target	1412
show logging level security	1413
show logging level segment-routing	1414
show logging level session-mgr	1415
show logging level sflow	1416
show logging level smm	1417
show logging level snmpd	1418
show logging level snmpmib_proc	1419
show logging level spanning-tree	1420
show logging level spm	1421
show logging level stripcl	1422
show logging level syncc	1423
show logging level sysmgr	1424
show logging level tacacs	1425
show logging level telemetry	1426
show logging level template_manager	1427
show logging level tpmn	1428
show logging level track	1429
show logging level tunnel-encryption	1430
show logging level tunnel	1431
show logging level u2rib	1432
show logging level u6rib	1433
show logging level udld	1434
show logging level ufdm	1435
show logging level urib	1436
show logging level vdc_mgr	1437
show logging level virtual-service	1438
show logging level vlan_mgr	1439
show logging level vmm	1440
show logging level vmtracker	1441

show logging level vpc	1442
show logging level vrrp-cfg	1443
show logging level vrrp-eng	1444
show logging level vrrpv3	1445
show logging level vsan	1446
show logging level vshd	1447
show logging level vtp	1448
show logging level wwn	1449
show logging level xbar	1450
show logging level zone	1451
show logging logfile	1452
show logging logfile duration	1453
show logging logfile last-index	1454
show logging logfile start-seqn	1455
show logging logfile start-time	1456
show logging loopback	1457
show logging module	1458
show logging monitor	1459
show logging nvram	1460
show logging onboard	1461
show logging onboard	1464
show logging onboard kernel-trace	1465
show logging origin-id	1466
show logging pending-diff	1467
show logging pending	1468
show logging rate-limit	1469
show logging rfc-strict	1470
show logging server	1471
show logging session status	1472
show logging source-interface	1473
show logging status	1474
show logging timestamp	1475
show login on-failure log	1476
show login on-successful log	1477

CHAPTER 13**M Show Commands 1479**

show mac-list	1481
show mac-move policy	1482
show mac address-table	1483
show mac address-table	1485
show mac address-table aging-time	1487
show mac address-table count	1488
show mac address-table count es	1490
show mac address-table limit	1491
show mac address-table limit user-defined	1492
show mac address-table loop-detect	1493
show mac address-table multicast	1494
show mac address-table notification mac-move	1495
show macsec mka	1496
show macsec mka session	1497
show macsec mka statistics	1498
show macsec policy	1499
show macsec secy statistics	1500
show maintenance maint-delay	1501
show maintenance on-reload reset-reasons	1502
show maintenance profile	1503
show maintenance snapshot-delay	1504
show maintenance timeout	1505
show mcast	1506
show mdns-sd controller detail	1507
show mdns-sd controller export-summary	1508
show mdns-sd controller service-list	1509
show mdns-sd controller service-policy	1510
show mdns-sd controller statistics	1511
show mdns-sd controller summary	1512
show mdns-sd filter-results	1513
show mdns-sd service-definition	1514
show mdns-sd service-list	1515

show mdns-sd service-policy	1516
show mdns-sd statistics global	1517
show mdns-sd statistics raw-stats	1518
show mdns-sd summary	1519
show mdns-sd summary vlan	1520
show module	1521
show module bandwidth-fairness	1522
show module port type	1523
show module uptime	1524
show monitor	1525
show monitor session	1526
show mpls extended-ecmp	1527
show mpls forwarding statistics	1528
show mpls interfaces	1529
show mpls interfaces detail	1530
show mpls interfaces statistics	1531
show mpls ip bindings	1532
show mpls ip bindings summary	1534
show mpls ip ttl	1535
show mpls label range	1536
show mpls load-sharing	1537
show mpls oam echo statistics	1538
show mpls static binding	1539
show mpls strip labels	1540
show mpls switching	1541
show mpls switching clients	1543
show mts-buildup check	1544
show mvpn bgp mdt	1545
show mvpn bgp mdt	1546
show mvpn mdt encap	1547
show mvpn mdt encap	1548
show mvpn mdt route	1549
show mvpn mdt route	1550
show mvr	1551

show mvr groups	1552
show mvr interface	1553
show mvr members	1554
show mvr members count	1555
show mvr members vlan	1556
show mvr receiver-ports	1557
show mvr source-ports	1558

CHAPTER 14
N Show Commands 1559

show nat itd	1561
show nbm defaults	1562
show nbm flow-policy	1563
show nbm flows	1564
show nbm flows pending-stitch	1566
show nbm flows static	1567
show nbm flows statistics	1568
show nbm flows summary	1570
show nbm host-policy all	1571
show nbm host-policy applied receiver	1572
show nbm host-policy applied sender	1573
show nbm info shm table flow-detail vrf	1574
show nbm interface	1575
show nbm interface bandwidth	1576
show ngoam interface statistics	1577
show ngoam loop-detection status	1578
show ngoam loop-detection summary	1579
show ngoam loopback	1580
show ngoam pathtrace	1582
show ngoam probe	1583
show ngoam traceroute statistics	1585
show ngoam xconnect session	1587
show npiv status	1588
show npv external-interface-usage	1589
show npv flogi-table	1590

show npv status	1591
show npv traffic-map	1592
show ntp access-groups	1593
show ntp authentication-keys	1594
show ntp authentication-status	1595
show ntp information	1596
show ntp logging-status	1597
show ntp peer-status	1598
show ntp peers	1599
show ntp rts-update	1600
show ntp session status	1601
show ntp source-interface	1602
show ntp source	1603
show ntp statistics	1604
show ntp status	1605
show ntp trusted-keys	1606
show nve adjacency mpls	1607
show nve bfd neighbors	1608
show nve core-links	1609
show nve ethernet-segment	1610
show nve evi	1611
show nve interface	1612
show nve mpls	1613
show nve multisite dci-links	1614
show nve multisite fabric-links	1615
show nve peers	1616
show nve peers interface counters	1617
show nve peers mpls	1618
show nve peers vni interface counters	1619
show nve replication-servers	1620
show nve resource-limits multicast	1621
show nve vni	1622
show nve vni counters	1623
show nve vni ingress-replication	1624

[show nve vni mdt](#) 1625
[show nve vni peer-vtep](#) 1626
[show nve vrf](#) 1627
[show nve vrf mdt](#) 1628
[show nve vxlan-params](#) 1629
[show nxapi-server logs](#) 1630
[show nxapi](#) 1631

CHAPTER 15
O Show Commands 1633

[show object-group](#) 1635
[show ospfv3](#) 1636
[show ospfv3 border-routers](#) 1637
[show ospfv3 database](#) 1638
[show ospfv3 database database-summary](#) 1640
[show ospfv3 database detail](#) 1641
[show ospfv3 interface](#) 1643
[show ospfv3 interface brief](#) 1644
[show ospfv3 neighbors](#) 1645
[show ospfv3 neighbors detail](#) 1646
[show ospfv3 neighbors summary](#) 1647
[show ospfv3 request-list](#) 1648
[show ospfv3 retransmission-list](#) 1649
[show ospfv3 route](#) 1650
[show ospfv3 route summary](#) 1651
[show ospfv3 statistics](#) 1652
[show ospfv3 summary-address](#) 1653
[show ospfv3 traffic](#) 1654
[show ospfv3 virtual-links](#) 1655
[show ospfv3 virtual-links brief](#) 1656
[show otv isis](#) 1657
[show otv isis active-source](#) 1658
[show otv isis adjacency](#) 1659
[show otv isis aed-svr-req local](#) 1660
[show otv isis database](#) 1661

show otv isis ed-summary local	1662
show otv isis ed-summary remote	1663
show otv isis fast-flood	1664
show otv isis hostname	1665
show otv isis interface	1666
show otv isis ip mroute	1667
show otv isis ip redistribute mroute	1668
show otv isis redistribute route	1669
show otv isis route-map statistics	1670
show otv isis route	1671
show otv isis rrm	1672
show otv isis site-index	1673
show otv isis site	1674
show otv isis spf-log	1675
show otv isis srm	1676
show otv isis ssn	1677
show otv isis statistics	1678
show otv isis track-adjacency-nexthop	1679
show otv isis traffic	1680
show otv isis vlan-status local	1681

CHAPTER 16**P Show Commands 1683**

show param-list	1686
show password secure-mode	1687
show password strength-check	1688
show pie broker	1689
show pie envmon	1690
show pie eventdb	1691
show pie eventid	1693
show pie interface	1694
show platform vboot	1695
show platform vnic info	1696
show platform vnic mapped	1697
show pmap-int-br interface br	1698

show pmap-int	1699
show pnp lease	1700
show pnp posix_pi configs	1701
show pnp posix_pi tech-support	1702
show pnp profiles	1703
show pnp status	1704
show pnp summary	1705
show pnp version	1706
show policy-map	1707
show policy-map interface control-plane	1708
show policy-map system	1709
show policy-map type control-plane	1710
show policy-map type network-qos	1711
show port-channel capacity	1712
show port-channel compatibility-parameters	1713
show port-channel database	1714
show port-channel fast-convergence	1715
show port-channel load-balance	1716
show port-channel load-balance forwarding-path1 interface src-interface	1717
show port-channel load-balance forwarding-path interface	1719
show port-channel load-balance hardware forwarding-path interface source	1721
show port-channel rbh-distribution	1723
show port-channel scale-fanout	1724
show port-channel summary	1725
show port-channel traffic	1726
show port-channel usage	1727
show port-license	1728
show port-profile	1729
show port-profile brief	1730
show port-profile expand-interface	1731
show port-profile sync-status	1732
show port-profile usage	1733
show port-security	1734
show port-security address	1735

show port-security address interface	1736
show port-security interface	1737
show port-security state	1738
show port led-status module	1739
show port naming	1740
show postcard-telemetry exporter	1741
show postcard-telemetry flow-profile	1742
show postcard-telemetry monitor	1743
show postcard-telemetry queue-profile	1744
show postcard-telemetry sessions	1745
show postcard-telemetry watchlist	1746
show power inline	1747
show power inline	1748
show power inline detail	1749
show power inline police	1750
show power inline priority	1751
show processes	1752
show processes cpu	1753
show processes cpu history	1754
show processes cpu history data	1755
show processes cpu module	1756
show processes log	1757
show processes log details	1758
show processes log pid	1759
show processes log vdc-all	1760
show processes memory	1761
show processes memory physical	1762
show processes memory shared	1763
show processes vdc	1764
show processes vdc cpu	1765
show processes vdc log	1766
show processes vdc log details	1767
show processes vdc log pid	1768
show processes vdc memory	1769

[show pss debug](#) 1770
[show ptp brief](#) 1771
[show ptp clock](#) 1772
[show ptp clock foreign-masters record](#) 1773
[show ptp corrections](#) 1774
[show ptp cost](#) 1775
[show ptp counters interface](#) 1776
[show ptp delay summary](#) 1777
[show ptp detail](#) 1778
[show ptp domain data](#) 1779
[show ptp interface domain](#) 1780
[show ptp packet-trace](#) 1781
[show ptp parent](#) 1782
[show ptp port interface](#) 1783
[show ptp time-property](#) 1784
[show ptp unicast-negotiation](#) 1785

CHAPTER 17
Q Show Commands 1787

[show qos dcbxp incompatibility interface](#) 1788
[show qos dcbxp info](#) 1789
[show qos dcbxp interface](#) 1790
[show qos shared-policer](#) 1791
[show queuing](#) 1792
[show queuing burst-detect](#) 1793
[show queuing llfc-queue](#) 1794
[show queuing pfc-queue](#) 1795
[show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex](#) 1796
[show queuing pfc-queue snmp ifIndex](#) 1797
[show queuing tabular](#) 1798
[show queuing tah-pfc-queue](#) 1799

CHAPTER 18
R Show Commands 1801

[show radius-cfs](#) 1806
[show radius-server](#) 1807

show radius-server	1808
show radius-server directed-request	1809
show radius-server groups	1810
show radius-server sorted	1811
show radius-server statistics	1812
show radius status	1813
show redundancy status	1814
show regexp	1815
show reload	1816
show resource	1817
show rmon	1818
show role	1819
show role feature-group	1820
show role feature	1821
show role status	1822
show rollback log exec	1823
show rollback status	1824
show route-map	1825
show route-map brief	1826
show route-map dynamic	1827
show route-map pbr-statistics	1828
show router-guard	1829
show router-guard	1830
show routing-context	1831
show routing	1832
show routing clients	1834
show routing hash	1835
show routing hidden-nh	1837
show routing ipv6	1838
show routing ipv6 clients	1840
show routing ipv6 hash	1841
show routing ipv6 hidden-nh	1843
show routing ipv6 memory estimate	1844
show routing ipv6 memory statistics	1845

show routing ipv6 multicast bandwidth	1846
show routing ipv6 multicast clients	1847
show routing ipv6 multicast lisp encap	1848
show routing ipv6 multicast mdt encapsulation	1849
show routing ipv6 multicast memory estimate	1850
show routing ipv6 multicast sr	1851
show routing ipv6 nhlfe	1852
show routing ipv6 recursive-next-hop	1853
show routing memory estimate	1854
show routing memory statistics	1855
show routing multicast clients	1856
show routing multicast lisp encap	1857
show routing multicast mdt encapsulation	1858
show routing multicast memory estimate	1859
show routing multicast sr	1860
show routing nhlfe	1861
show routing recursive-next-hop	1862
show routing vxlan-hash peer-ip	1863
show routing vxlan-hash peer-ipv6	1864
show rscn event-tov vsan	1865
show rscn pending-diff vsan	1866
show rscn pending vsan	1867
show rscn scr-table	1868
show rscn session status vsan	1869
show rscn statistics	1870
show running-config	1871
show running-config aaa	1872
show running-config aclmgr	1873
show running-config adjmgr	1874
show running-config all	1875
show running-config app-hosting	1876
show running-config arp	1877
show running-config assoc	1878
show running-config backup	1879

show running-config bfd	1880
show running-config bgp	1881
show running-config bloggerd	1882
show running-config callhome	1883
show running-config cdp	1884
show running-config cert-enroll	1885
show running-config cfs	1886
show running-config clock_manager	1887
show running-config config-profile	1888
show running-config controller	1889
show running-config copp	1890
show running-config cryptopqc	1891
show running-config dhcp	1892
show running-config diagnostic	1893
show running-config diff	1894
show running-config dot1x	1895
show running-config ecp	1896
show running-config eem	1897
show running-config eigrp	1898
show running-config eltm	1899
show running-config epbr	1900
show running-config evb	1901
show running-config exclude	1902
show running-config expand-port-profile	1903
show running-config fabric forwarding	1904
show running-config fabric multicast	1905
show running-config fabricpath	1906
show running-config fabricpath domain default	1907
show running-config fabricpath switch-id	1908
show running-config fabricpath topology	1909
show running-config fcoe_mgr	1910
show running-config fsync_mgr	1911
show running-config hardware-telemetry	1912
show running-config hsrp	1913

show running-config icmpv6	1914
show running-config igmp	1915
show running-config imp	1916
show running-config interface	1917
show running-config interface	1918
show running-config intersight	1919
show running-config ip	1920
show running-config ipqos	1921
show running-config ipv6	1922
show running-config isis	1923
show running-config l3vm	1924
show running-config ldap	1925
show running-config license	1926
show running-config lisp	1927
show running-config lldp	1928
show running-config lpss	1929
show running-config macsec	1930
show running-config mdns	1931
show running-config mfw	1932
show running-config mfwdv6	1933
show running-config mld	1934
show running-config mmode	1935
show running-config monitor	1936
show running-config mpls static	1937
show running-config mpls strip	1938
show running-config msdp	1939
show running-config nat	1940
show running-config nbm	1941
show running-config ngoam	1942
show running-config ntp	1943
show running-config nv overlay	1944
show running-config nxsdk	1945
show running-config ofm	1946
show running-config openconfig	1947

show running-config ospf	1948
show running-config ospfv3	1949
show running-config otv-isis	1950
show running-config param-list	1951
show running-config pim	1952
show running-config pim6	1953
show running-config poe	1954
show running-config port-profile	1955
show running-config port-security	1956
show running-config ptp	1957
show running-config radius	1958
show running-config rip	1959
show running-config routing ip multicast	1960
show running-config routing ipv6 multicast	1961
show running-config rpm	1962
show running-config scheduler	1963
show running-config section	1964
show running-config security	1965
show running-config segment-routing	1966
show running-config service-reflect	1967
show running-config services	1968
show running-config services	1969
show running-config sflow	1970
show running-config sla responder	1971
show running-config sla sender	1972
show running-config sla twamp-server	1973
show running-config snmp	1974
show running-config spanning-tree	1975
show running-config srte	1976
show running-config storm-control	1977
show running-config switch	1978
show running-config sync	1979
show running-config tacacs	1980
show running-config telemetry	1981

show running-config track	1982
show running-config tunnel-encryption	1983
show running-config uddl	1984
show running-config vdc-all	1985
show running-config vdc	1986
show running-config virtual-service	1987
show running-config vlan	1988
show running-config vlan	1989
show running-config vlan	1990
show running-config vmtracker	1991
show running-config vpc	1992
show running-config vrf	1993
show running-config vrf default	1994
show running-config vrrp	1995
show running-config vrrpv3	1996
show running-config vshd	1997
show running-config vtp	1998
show running-config wwnm	1999
show running-config zone	2000
show running-config zone vsan	2001

CHAPTER 19**S Show Commands 2003**

show san-port-channel compatibility-parameters	2009
show san-port-channel consistency	2010
show san-port-channel consistency detail	2011
show san-port-channel database	2012
show san-port-channel summary	2013
show san-port-channel usage	2014
show scheduler config	2015
show scheduler job	2016
show scheduler logfile	2017
show scheduler schedule	2018
show security-group	2019
show segment-routing	2020

show segment-routing clients	2021
show segment-routing ipv4 connected-prefix-sid-map	2022
show segment-routing mpls	2023
show segment-routing mpls clients	2024
show segment-routing mpls ipv4 connected-prefix-sid-map	2025
show sflow	2026
show sflow statistics	2027
show snapshots	2028
show snapshots compare	2029
show snapshots compare ipv4routes	2030
show snapshots compare ipv6routes	2031
show snapshots compare summary	2032
show snapshots dump	2033
show snapshots dump	2034
show snapshots sections	2035
show snmp	2036
show snmp community	2037
show snmp context	2038
show snmp engineID	2039
show snmp group	2040
show snmp host	2041
show snmp nms-statistics	2042
show snmp oid-statistics	2043
show snmp sessions	2044
show snmp source-interface	2045
show snmp trap	2046
show snmp user	2047
show sockets client	2048
show sockets connection	2049
show sockets local-port-range	2050
show sockets ns-port-kiosk	2051
show sockets statistics	2052
show sockets tcp keychain binding	2053
show software authenticity file	2054

show software authenticity keys	2055
show spanning-tree	2056
show spanning-tree blockedports	2057
show spanning-tree bridge	2058
show spanning-tree inconsistentports	2059
show spanning-tree interface	2060
show spanning-tree interface	2061
show spanning-tree issu-impact	2062
show spanning-tree mst	2063
show spanning-tree mst configuration	2064
show spanning-tree mst configuration digest	2065
show spanning-tree mst interface	2066
show spanning-tree pathcost method	2067
show spanning-tree root	2068
show spanning-tree summary	2069
show spanning-tree summary totals	2070
show sprom	2071
show srte pce ipv4 peer	2073
show srte policy	2074
show srte policy fh	2075
show srte policy proactive-policy-monitoring	2076
show srte policy summary	2077
show srv6 clients	2078
show srv6 locator	2079
show srv6 manager	2080
show srv6 sid	2081
show srv6 sid counters	2082
show ssh	2083
show ssh key	2084
show ssh server	2085
show ssh version	2086
show ssx details	2087
show ssx exporter	2088
show ssx monitor	2089

show ssx record	2090
show startup-config	2091
show startup-config	2092
show startup-config aaa	2093
show startup-config aclmgr	2094
show startup-config adjmgr	2095
show startup-config app-hosting	2096
show startup-config arp	2097
show startup-config assoc	2098
show startup-config backup	2099
show startup-config bfd	2100
show startup-config bgp	2101
show startup-config bloggerd	2102
show startup-config callhome	2103
show startup-config cdp	2104
show startup-config cert-enroll	2105
show startup-config cfs	2106
show startup-config config-profile	2107
show startup-config copp	2108
show startup-config cryptopqc	2109
show startup-config cryptopqc	2110
show startup-config dhcp	2111
show startup-config diagnostic	2112
show startup-config dot1x	2113
show startup-config ecp	2114
show startup-config eem	2115
show startup-config eigrp	2116
show startup-config eltm	2117
show startup-config epbr	2118
show startup-config evb	2119
show startup-config exclude	2120
show startup-config expand-port-profile	2121
show startup-config fabric forwarding	2122
show startup-config fabric multicast	2123

show startup-config fabricpath	2124
show startup-config fabricpath domain default	2125
show startup-config fabricpath switch-id	2126
show startup-config fabricpath topology	2127
show startup-config fcoe_mgr	2128
show startup-config fsync_mgr	2129
show startup-config glbp	2130
show startup-config hardware-telemetry	2131
show startup-config hsrp	2132
show startup-config icmpv6	2133
show startup-config igmp	2134
show startup-config imp	2135
show startup-config interface	2136
show startup-config interface	2137
show startup-config intersight	2138
show startup-config ip	2139
show startup-config ipqos	2140
show startup-config ipv6	2141
show startup-config isis	2142
show startup-config l3vm	2143
show startup-config ldap	2144
show startup-config license	2145
show startup-config lisp	2146
show startup-config lldp	2147
show startup-config lpss	2148
show startup-config macsec	2149
show startup-config mdns	2150
show startup-config mfwd	2151
show startup-config mfwdv6	2152
show startup-config mld	2153
show startup-config mmode	2154
show startup-config monitor	2155
show startup-config mpls static	2156
show startup-config mpls strip	2157

show startup-config msdp	2158
show startup-config nat	2159
show startup-config nbm	2160
show startup-config ngoam	2161
show startup-config ntp	2162
show startup-config nv overlay	2163
show startup-config nxsdk	2164
show startup-config ofm	2165
show startup-config openconfig	2166
show startup-config ospf	2167
show startup-config ospfv3	2168
show startup-config otv-isis	2169
show startup-config param-list	2170
show startup-config pim	2171
show startup-config pim6	2172
show startup-config poe	2173
show startup-config port-profile	2174
show startup-config port-security	2175
show startup-config ptp	2176
show startup-config radius	2177
show startup-config rip	2178
show startup-config routing ip multicast	2179
show startup-config routing ipv6 multicast	2180
show startup-config rpm	2181
show startup-config scheduler	2182
show startup-config security	2183
show startup-config segment-routing	2184
show startup-config services	2185
show startup-config sflow	2186
show startup-config sla responder	2187
show startup-config sla sender	2188
show startup-config sla twamp-server	2189
show startup-config snmp	2190
show startup-config srte	2191

show startup-config storm-control	2192
show startup-config switch	2193
show startup-config syncc	2194
show startup-config tacacs	2195
show startup-config telemetry	2196
show startup-config track	2197
show startup-config tunnel-encryption	2198
show startup-config udd	2199
show startup-config vdc-all	2200
show startup-config vdc	2201
show startup-config virtual-service	2202
show startup-config vlan	2203
show startup-config vlan	2204
show startup-config vmtracker	2205
show startup-config vpc	2206
show startup-config vrf	2207
show startup-config vrf default	2208
show startup-config vrrpv3	2209
show startup-config vshd	2210
show startup-config vtp	2211
show startup-config wwnm	2212
show startup-config zone	2213
show startup-config zone vsan	2214
show summary	2215
show switch-profile	2216
show switch-profile	2217
show switch-profile buffer	2218
show switch-profile peer	2219
show switch-profile status	2220
show switching-mode	2221
show switching-mode fabric-speed	2222
show system acl	2223
show system auto-collect tech-support	2224
show system boottime	2225

show system config reload-pending	2226
show system cores	2227
show system default switchport	2228
show system default zone	2229
show system device-connector claim-info	2230
show system device-connector log	2231
show system error-id	2232
show system exception-info	2233
show system fabric-mode	2234
show system fast-reload stabilization-timer	2235
show system image-verification	2236
show system inband cpu-mac log threshold	2237
show system inband queuing statistics	2238
show system inband queuing status	2239
show system login	2240
show system login failures	2241
show system lpss monitor usage	2242
show system memory-thresholds	2243
show system mode	2244
show system nve infra-vlans	2245
show system poap	2246
show system pss shrink status	2247
show system redundancy ha status	2248
show system redundancy status	2249
show system reset-reason	2250
show system reset-reason	2251
show system reset-reason module	2252
show system resources	2253
show system resources all-modules	2254
show system routing mode	2255
show system security	2256
show system simulate fan-presence	2257
show system standby manual-boot	2258
show system switch-mode	2259

show system tech-support blocked-commands status	2260
show system uptime	2261
show system verify bios flash	2262
show system vlan reserved	2263

CHAPTER 20
T Show Commands 2265

show table-map	2273
show tacacs-server	2274
show tacacs-server	2275
show tacacs-server directed-request	2276
show tacacs-server groups	2277
show tacacs-server sorted	2278
show tacacs-server statistics	2279
show tech-support	2280
show tech-support aaa	2281
show tech-support acl	2282
show tech-support aclmgr	2283
show tech-support aclmgr compressed	2284
show tech-support aclqos	2285
show tech-support aclqos compressed	2286
show tech-support adjmgr	2287
show tech-support all	2288
show tech-support all binary	2289
show tech-support analytics	2290
show tech-support app-hosting	2291
show tech-support arp	2292
show tech-support ascii-cfg	2293
show tech-support assoc_mgr	2294
show tech-support backup	2295
show tech-support bcm	2296
show tech-support bfd	2297
show tech-support bgp	2298
show tech-support biosd	2299
show tech-support bloggerd-all	2300

show tech-support bloggerd	2301
show tech-support bootvar	2302
show tech-support brief	2303
show tech-support callhome	2304
show tech-support cdp	2305
show tech-support cert-enroll	2306
show tech-support cfs	2307
show tech-support cli	2308
show tech-support clis	2309
show tech-support clock_manager	2310
show tech-support contracts	2311
show tech-support controller	2312
show tech-support copp	2313
show tech-support cores	2314
show tech-support dcbx	2315
show tech-support details	2316
show tech-support device-alias	2317
show tech-support dhclient	2318
show tech-support dhcp	2319
show tech-support dme	2320
show tech-support dot1x	2321
show tech-support dpvm	2322
show tech-support ecp	2323
show tech-support eem	2324
show tech-support eigrp	2325
show tech-support eltm	2326
show tech-support eubr	2327
show tech-support epp	2328
show tech-support ethpm	2329
show tech-support ethport	2330
show tech-support evb	2331
show tech-support fabric forwarding	2332
show tech-support fabric multicast	2333
show tech-support fabricpath isis	2334

show tech-support fabricpath topology	2335
show tech-support fast-reload	2336
show tech-support fc-fcoe	2337
show tech-support fc2	2338
show tech-support fc2	2339
show tech-support fcdomain	2340
show tech-support fcns	2341
show tech-support fcs	2342
show tech-support feature	2343
show tech-support fib-all	2344
show tech-support fib module	2345
show tech-support fips	2346
show tech-support flogi	2347
show tech-support flow-redirect	2348
show tech-support forwarding l2 multicast	2349
show tech-support forwarding l2 multicast vdc-all	2350
show tech-support forwarding l2 unicast	2351
show tech-support forwarding l3 multicast	2352
show tech-support forwarding l3 multicast detail	2353
show tech-support forwarding l3 multicast detail vdc-all	2354
show tech-support forwarding l3 multicast vdc-all	2355
show tech-support forwarding l3 unicast	2356
show tech-support forwarding l3 unicast detail	2357
show tech-support forwarding l3 unicast detail vdc-all	2358
show tech-support forwarding l3 unicast vdc-all	2359
show tech-support forwarding mpls	2360
show tech-support forwarding multicast	2361
show tech-support forwarding multicast nat	2362
show tech-support forwarding srv6	2363
show tech-support frequency synchronization	2364
show tech-support fspf	2365
show tech-support fsync_mgr	2366
show tech-support gold	2367
show tech-support gpixm	2368

show tech-support ha	2369
show tech-support ha module	2370
show tech-support ha_short	2371
show tech-support ha standby	2372
show tech-support hardware-telemetry	2373
show tech-support hsrp	2374
show tech-support hsrp brief	2375
show tech-support icmpv6	2376
show tech-support im	2377
show tech-support imp	2378
show tech-support inband counters	2379
show tech-support include-time	2380
show tech-support install	2381
show tech-support interface-vlan	2382
show tech-support interfaces all	2383
show tech-support intersight	2384
show tech-support ip	2385
show tech-support ip igmp	2386
show tech-support ip igmp snooping	2387
show tech-support ip msdp	2388
show tech-support ip pim	2389
show tech-support ipqos	2390
show tech-support ipv6	2391
show tech-support ipv6 mfw	2392
show tech-support ipv6 mld	2393
show tech-support ipv6 mld snooping	2394
show tech-support ipv6 multicast	2395
show tech-support ipv6 pim	2396
show tech-support isis	2397
show tech-support issu	2398
show tech-support kstack	2399
show tech-support l2	2400
show tech-support l2fm	2401
show tech-support l2fm clients	2402

show tech-support l2fm detail	2403
show tech-support l2fm l2dbg	2404
show tech-support l2fm l2dbg	2405
show tech-support l2rib	2406
show tech-support l3vm	2407
show tech-support l3vpn	2408
show tech-support lacp	2409
show tech-support ldap	2410
show tech-support license	2411
show tech-support lim	2412
show tech-support lisp	2413
show tech-support lldp	2414
show tech-support logging	2415
show tech-support m2rib	2416
show tech-support macsec	2417
show tech-support mdns	2418
show tech-support memory	2419
show tech-support mfwd	2420
show tech-support mmode	2421
show tech-support module	2422
show tech-support module all	2423
show tech-support monitor	2424
show tech-support monitor erspan	2425
show tech-support monitorc-all	2426
show tech-support mpls manager	2427
show tech-support mpls oam	2428
show tech-support mpls static	2429
show tech-support mpls strip	2430
show tech-support mpls switching	2431
show tech-support mpls fwd	2432
show tech-support multicast-vxlan-evpn	2433
show tech-support multicast	2434
show tech-support mvpn	2435
show tech-support nat	2436

show tech-support nbm	2437
show tech-support nbm group	2438
show tech-support netflow	2439
show tech-support netstack	2440
show tech-support netstack detail	2441
show tech-support nexus9000v	2442
show tech-support ngoam	2443
show tech-support npacl	2444
show tech-support npv	2445
show tech-support ns	2446
show tech-support ntp	2447
show tech-support nve	2448
show tech-support nxapi	2449
show tech-support nxsdk	2450
show tech-support object-store	2451
show tech-support ofm	2452
show tech-support ofm	2453
show tech-support ospf	2454
show tech-support ospfv3	2455
show tech-support otv isis	2456
show tech-support page	2457
show tech-support patch	2458
show tech-support pbr	2459
show tech-support pfstat	2460
show tech-support pie	2461
show tech-support pixm-all	2462
show tech-support pixm	2463
show tech-support pixmc-all	2464
show tech-support pktmgr	2465
show tech-support platform-sdk	2466
show tech-support platform	2467
show tech-support plcmgr	2468
show tech-support pltfm-config	2469
show tech-support pnp	2470

show tech-support poap	2471
show tech-support poe	2472
show tech-support port-channel	2473
show tech-support port-client-all	2474
show tech-support port-security	2475
show tech-support port	2476
show tech-support port	2477
show tech-support private-vlan	2478
show tech-support pss	2479
show tech-support ptp	2480
show tech-support radius	2481
show tech-support rib	2482
show tech-support rip	2483
show tech-support routing	2484
show tech-support routing ipv6	2485
show tech-support routing ipv6 multicast	2486
show tech-support routing multicast	2487
show tech-support rpm	2488
show tech-support rscn	2489
show tech-support sal	2490
show tech-support san-port-channel	2491
show tech-support san	2492
show tech-support satmgr	2493
show tech-support security	2494
show tech-support segment-routing	2495
show tech-support services	2496
show tech-support session-mgr	2497
show tech-support sflow	2498
show tech-support single-gericho	2499
show tech-support sksd	2500
show tech-support sla responder	2501
show tech-support sla sender	2502
show tech-support sla twamp-server	2503
show tech-support slowdrain	2504

show tech-support smm	2505
show tech-support snmp	2506
show tech-support sockets	2507
show tech-support spm	2508
show tech-support srte	2509
show tech-support statsclient	2510
show tech-support stp	2511
show tech-support sup-filesys	2512
show tech-support super-bridging	2513
show tech-support sysmgr	2514
show tech-support tacacs	2515
show tech-support tamnw	2516
show tech-support telemetry	2517
show tech-support track	2518
show tech-support transceiver	2519
show tech-support trm-pd	2520
show tech-support trm	2521
show tech-support tunnel-encryption	2522
show tech-support tunnel	2523
show tech-support u2rib	2524
show tech-support udld	2525
show tech-support usd-all	2526
show tech-support vdc	2527
show tech-support virtual-service	2528
show tech-support vlan	2529
show tech-support vmtracker	2530
show tech-support vpc	2531
show tech-support vrrp	2532
show tech-support vrrp brief	2533
show tech-support vrrpv3	2534
show tech-support vsan	2535
show tech-support vshd	2536
show tech-support vtp	2537
show tech-support vvlan	2538

show tech-support vxlan-evpn	2539
show tech-support vxlan	2540
show tech-support vxlan platform	2541
show tech-support xbar	2542
show tech-support xml	2543
show tech-support xos	2544
show tech-support zone	2545
show telemetry config errors	2546
show telemetry control database	2547
show telemetry data collector brief	2548
show telemetry dynamic configuration	2549
show telemetry event collector stats	2550
show telemetry pipeline stats	2551
show telemetry port-counters	2552
show telemetry syslog-filter	2553
show telemetry transport	2554
show telemetry transport	2555
show telemetry usability	2556
show telemetry yang direct-path cisco-nxos-device	2557
show telnet server	2558
show terminal	2559
show terminal lock	2560
show terminal output xml version	2561
show time-range	2562
show time-stamp hpt brief	2563
show time-stamp running-config last-changed	2564
show topology	2565
show topology isl	2566
show topology isl	2567
show topology isl	2568
show trace callhome	2569
show track	2570
show track brief	2571
show troubleshoot l2 mac vlan	2572

[show troubleshoot l2 port-channel](#) 2573
[show troubleshoot l3 vrf](#) 2574
[show trunk protocol](#) 2575
[show ttag brief](#) 2576
[show ttag brief](#) 2577
[show tunnel-encryption info global](#) 2578
[show tunnel-encryption policy](#) 2579
[show tunnel-encryption session](#) 2580
[show tunnel-encryption statistics](#) 2581
[show tunnel-profile](#) 2582

CHAPTER 21
U Show Commands 2583

[show uddl](#) 2584
[show uddl global](#) 2585
[show uddl neighbors](#) 2586
[show upgrade history](#) 2587
[show upgrade history details](#) 2588
[show user-account](#) 2589
[show username keypair](#) 2590
[show username passphrase timevalues](#) 2591
[show userpassphrase](#) 2592
[show userpassphrase](#) 2593
[show userpassphrase min-unique](#) 2594
[show userpassphrase sequence alphabet length](#) 2595
[show userpassphrase sequence keyboard length](#) 2596
[show users](#) 2597

CHAPTER 22
V Show Commands 2599

[show vdc](#) 2601
[show vdc current-vdc](#) 2602
[show vdc fcoe-vlan-range](#) 2603
[show vdc resource](#) 2604
[show vdc resource](#) 2605
[show version](#) 2606

show version epld	2607
show version image	2608
show version module	2609
show version module epld	2610
show virtual-service	2611
show virtual-service storage pool list	2612
show virtual-service tech-support	2613
show virtual-service utilization name	2614
show virtual-service version	2615
show vlan	2616
show vlan access-list	2617
show vlan access-map	2618
show vlan all-ports	2619
show vlan counters	2620
show vlan dot1Q tag native	2621
show vlan fcoe	2622
show vlan filter	2623
show vlan id	2624
show vlan id counters	2625
show vlan id vn-segment	2626
show vlan name	2627
show vlan private-vlan	2628
show vlan private-vlan type	2629
show vlan xbrief	2630
show vlan xsummary	2631
show vmtracker	2632
show vmtracker certificate	2633
show vmtracker fabric auto-config	2634
show vmtracker status	2635
show vpc	2636
show vpc	2637
show vpc consistency-parameters	2638
show vpc consistency-parameters vlans	2639
show vpc fabric-ports	2640

show vpc orphan-ports	2641
show vpc peer-keepalive	2642
show vpc role	2643
show vpc statistics peer-keepalive	2644
show vpc statistics vpc	2645
show vpc virtual-peerlink dest reachable	2646
show vpc virtual-peerlink vlan consistency	2647
show vrf	2648
show vrf	2649
show vrrp	2650
show vrrp bfd-sessions	2651
show vrrpv3	2652
show vrrs client	2653
show vrrs pathway	2654
show vrrs server	2655
show vrrs tag	2656
show vsan	2657
show vsan membership	2658
show vsan membership interface	2659
show vsan usage	2660
show vtp counters	2661
show vtp interface	2662
show vtp password	2663
show vtp status	2664

CHAPTER 23
W Show Commands 2665

show wred-queue qos-group-map	2666
show wrr-queue qos-group-map	2667
show wrr unicast-bandwidth	2668
show wwn oui	2669
show wwn status	2670
show wwn switch	2671
show wwn test	2672
show wwn vsan-wwn	2674

CHAPTER 24**X Show Commands 2675**

- show xml server logging configuration 2676
- show xml server status 2677

CHAPTER 25**Z Show Commands 2679**

- show zone-attribute-group 2680
- show zone 2681
- show zone active 2682
- show zone analysis 2683
- show zone ess 2684
- show zone member 2685
- show zone name 2687
- show zone name active 2688
- show zone name pending 2689
- show zone pending-diff 2690
- show zone pending 2691
- show zone policy 2692
- show zone smart-zoning auto-conv log errors 2693
- show zone smart-zoning auto-conv status vsan 2694
- show zone statistics 2695
- show zone statistics vsan 2696
- show zone status 2697
- show zone vsan 2698
- show zone vsan 2699
- show zoneset 2700

PART II**Command Output Formats 2701**

CHAPTER 26**XML/JSON Output Formats 2703**

- Output Formats for Show Commands 2704



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 Show Commands

- [A Show Commands, on page 5](#)
- [B Show Commands, on page 45](#)
- [C Show Commands, on page 121](#)
- [D Show Commands, on page 305](#)
- [E Show Commands, on page 349](#)
- [F Show Commands, on page 375](#)
- [G Show Commands, on page 603](#)
- [H Show Commands, on page 607](#)
- [I Show Commands, on page 671](#)
- [K Show Commands, on page 1157](#)
- [L Show Commands, on page 1163](#)
- [M Show Commands, on page 1479](#)
- [N Show Commands, on page 1559](#)
- [O Show Commands, on page 1633](#)
- [P Show Commands, on page 1683](#)
- [Q Show Commands, on page 1787](#)
- [R Show Commands, on page 1801](#)
- [S Show Commands, on page 2003](#)
- [T Show Commands, on page 2265](#)
- [U Show Commands, on page 2583](#)
- [V Show Commands, on page 2599](#)
- [W Show Commands, on page 2665](#)
- [X Show Commands, on page 2675](#)
- [Z Show Commands, on page 2679](#)



A Show Commands

- [show aaa accounting](#), on page 7
- [show aaa authentication](#), on page 8
- [show aaa authentication login](#), on page 9
- [show aaa authentication login ascii-authentication](#), on page 10
- [show aaa authentication login error-enable](#), on page 11
- [show aaa authentication login invalid-username-log](#), on page 12
- [show aaa authorization](#), on page 13
- [show aaa bypass-user](#), on page 14
- [show aaa client radius statistics](#), on page 15
- [show aaa groups](#), on page 16
- [show aaa local user blocked](#), on page 17
- [show aaa server radius statistics](#), on page 18
- [show aaa user blocked](#), on page 19
- [show aaa user default-role](#), on page 20
- [show access-list](#), on page 21
- [show access-list database](#), on page 23
- [show access-list resource](#), on page 24
- [show access-lists](#), on page 26
- [show accounting log](#), on page 27
- [show accounting log all](#), on page 28
- [show accounting log last-index](#), on page 29
- [show accounting log nvram](#), on page 30
- [show accounting log nvram last-index](#), on page 31
- [show accounting log nvram start-seqnum](#), on page 32
- [show accounting log start-seqnum](#), on page 33
- [show acl status](#), on page 34
- [show amt process](#), on page 35
- [show amt vrf all](#), on page 36
- [show app-hosting bridge](#), on page 37
- [show app-hosting detail](#), on page 38
- [show app-hosting infra](#), on page 39
- [show app-hosting list](#), on page 40
- [show app-hosting resource](#), on page 41

- [show app-hosting utilization, on page 42](#)
- [show archive log config, on page 43](#)
- [show arp access-lists, on page 44](#)

show aaa accounting

show aaa accounting

Syntax Description

show	Show running system information
aaa	Show aaa information
accounting	Show accounting configuration

Command Mode

- /exec

show aaa authentication

show aaa authentication

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration

Command Mode

- /exec

show aaa authentication login

```
show aaa authentication login { mschap | mschapv2 | chap }
```

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
mschap	Show authentication login MSCHAP enable configuration
mschapv2	Show authentication login MSCHAP V2 enable configuration
chap	Show authentication login CHAP enable configuration

Command Mode

- /exec

show aaa authentication login ascii-authentication

show aaa authentication login ascii-authentication

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
ascii-authentication	Show ascii-authentication configuration

Command Mode

- /exec

show aaa authentication login error-enable

show aaa authentication login error-enable

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
error-enable	Show authentication login error message enable configuration

Command Mode

- /exec

show aaa authentication login invalid-username-log

show aaa authentication login invalid-username-log

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
invalid-username-log	Show invalid username log configuration

Command Mode

- /exec

show aaa authorization

show aaa authorization [all]

Syntax Description

show	Show running system information
aaa	Show aaa information
authorization	Show authorization configuration
all	(Optional) Show all(include defaults configurations) authorization info

Command Mode

- /exec

show aaa bypass-user

show aaa bypass-user [<s0>]

Syntax Description

show	Show running system information
aaa	Show aaa information
bypass-user	Show bypass user information
s0	(Optional) Enter the username

Command Mode

- /exec

show aaa client radius statistics

show aaa client radius statistics <host0>

Syntax Description

show	Show running system information
aaa	Show aaa information
client	Show AAA client info
radius	show radius dynamic authorization client info
statistics	show radius dynamic authorization client statistics
<i>host0</i>	IPV4/IPV6 address or DNS name of RADIUS client

Command Mode

- /exec

show aaa groups

show aaa groups

Syntax Description

show	Show running system information
aaa	Show aaa information
groups	Show configured groups

Command Mode

- /exec

show aaa local user blocked

show aaa local user blocked

Syntax Description

show	Show running system information
aaa	Configure aaa functions
local	Local username
user	Local system user
blocked	Display Blocked users

Command Mode

- /exec

show aaa server radius statistics

show aaa server radius statistics

Syntax Description

show	Show running system information
aaa	Show aaa information
server	show Local AAA server info
radius	show local radius server info
statistics	show local radius server statistics

Command Mode

- /exec

show aaa user blocked

show aaa user blocked

Syntax Description

show	Show running system information
aaa	Configure aaa functions
user	system user
blocked	Display blocked users

Command Mode

- /exec

show aaa user default-role

show aaa user default-role

Syntax Description

show	Show running system information
aaa	Show aaa information
user	Remotely authenticated user
default-role	Default role assigned by aaa-admin for remote authentication

Command Mode

- /exec

show access-list

```
show { system internal | hardware } access-list { summary | [ vdc <vdc_id> ] { [ interface <if_name> | vlan
<vlan_id> | inband table <table> ] [ { input | output } { config | { { entries | merge } [ detail ] } } | statistics |
l4ops | redirect | sampler } ] } [ module <module> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
summary	summary
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc_id
interface	(Optional) interface name
<i>if_name</i>	(Optional) display access list for the interface
vlan	(Optional) vlan_id
<i>vlan_id</i>	(Optional) vlan_id
inband	(Optional) inband interface
table	(Optional) vrf table number
<i>table</i>	(Optional) vrf table number
input	(Optional) input/ingress policies
output	(Optional) output/egress policies
config	(Optional) parsed policy software database
entries	(Optional) tcam entries
statistics	(Optional) aggregate statistics
l4ops	(Optional) l4 operations information
redirect	(Optional) redirect resource information
sampler	(Optional) with sampler details
merge	(Optional) tcam entries merge information

detail	(Optional) detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show access-list database

```
show { system internal | hardware } access-list [ vdc <vdc_id> ] database { interface | vlan | policy | process } [ module <module> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
vdc	(Optional) vdc id
<i>vdc_id</i>	(Optional) vdc_id
database	Show memory database
interface	display interfaces/vlans in a vdc with policies
policy	display policies in a vdc
vlan	display vlans in a vdc
process	display process database in a vdc
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show access-list resource

```
show { system internal | hardware } access-list resource { { { entries | l4ops | redirect | ipv6-compression |
mac-compression | aqm-d | aqm-q | oq | opool | prm | hardware-telemetry } [ detail ] } | utilization [ per-feature
] | { entry tcam <tcam_id> bank <bank_id> index <index> } | { default-tcam-allocation } } [ no-header ] [
module <module> ]
```

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
resource	hardware resource
entries	tcam entries
l4ops	l4 operations information
redirect	redirect resource information
entry	display hardware information of a tcam entry
tcam	tcam id
<i>tcam_id</i>	tcam_id
bank	bank id
<i>bank_id</i>	bank_id
index	index within bank
<i>index</i>	index withing bank
default-tcam-allocation	default tcam allocation
utilization	utilization matrix
per-feature	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
ipv6-compression	ipv6 compression
mac-compression	mac compression table info
aqm-d	aqm d params
aqm-q	aqm q params

oq	oq profiles
opool	opool profiles
prm	prm profiles
hardware-telemetry	hardware-telemetry resources
detail	(Optional) detailed information
no-header	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show access-lists

```
show <mpls_acl> access-lists [ <mpls_name> ]
```

Syntax Description

show	Show running system information
<i>mpls_acl</i>	mpls acl value
access-lists	List access lists
<i>mpls_name</i>	(Optional) List name

Command Mode

- /exec

show accounting log

```
show accounting log [ { <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time <EYYYY>
<EMonth> <EDate> <ETime> ] } ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
<i>i0</i>	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
<i>SYYYY</i>	(Optional) Enter year in YYYY format
<i>SMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>SDate</i>	(Optional) Enter day of month in dd format
<i>STime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
<i>EYYYY</i>	(Optional) Enter year in YYYY format
<i>EMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>EDate</i>	(Optional) Enter day of month in dd format
<i>ETime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show accounting log all

show accounting log all

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
all	Display accounting log including show commands (Use <terminal log-all> to enable show command accounting)

Command Mode

- /exec

show accounting log last-index

show accounting log last-index

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
last-index	Show accounting log last index information

Command Mode

- /exec

show accounting log nvram

```
show accounting log nvram [ { <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [ end-time
<EYYYY> <EMonth> <EDate> <ETime> ] } ]
```

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
<i>i0</i>	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
<i>SYYYY</i>	(Optional) Enter year in YYYY format
<i>SMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>SDate</i>	(Optional) Enter day of month in dd format
<i>STime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
<i>EYYYY</i>	(Optional) Enter year in YYYY format
<i>EMonth</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>EDate</i>	(Optional) Enter day of month in dd format
<i>ETime</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show accounting log nvram last-index

show accounting log nvram last-index

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
nvram	present in nvram
last-index	Show accounting log last index information

Command Mode

- /exec

show accounting log nvram start-seqnum

show accounting log nvram start-seqnum <SSEQNUM> [end-seqnum <ESEQNUM>]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
<i>SSEQNUM</i>	Enter Starting Sequence Number
<i>ESEQNUM</i>	(Optional) Enter Starting Sequence Number

Command Mode

- /exec

show accounting log start-seqnum

show accounting log start-seqnum <SSEQNUM> [end-seqnum <ESEQNUM>]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
<i>SSEQNUM</i>	Enter Starting Sequence Number
<i>ESEQNUM</i>	(Optional) Enter Starting Sequence Number

Command Mode

- /exec

show acl status

show acl status

Syntax Description

show	Show running system information
acl	Show information about acl
status	Shows the status of last acl operation

Command Mode

- /exec

show amt process

```
show amt process [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
process	Display AMT process information

Command Mode

- /exec

show amt vrf all

show amt vrf all

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	Display all VRFs AMT is configured in
all	Display all VRFs AMT is configured in

Command Mode

- /exec

show app-hosting bridge

show app-hosting bridge

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
bridge	List the app-hosting bridges

Command Mode

- /exec

show app-hosting detail

show app-hosting detail [appid <app-hosting-appid>]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
detail	Detail information about application
appid	(Optional) Application ID
<i>app-hosting-appid</i>	(Optional) AppId name

Command Mode

- /exec

show app-hosting infra

show app-hosting infra

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
infra	app-hosting framework infra details

Command Mode

- /exec

show app-hosting list

show app-hosting list

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
list	List applications

Command Mode

- /exec

show app-hosting resource

show app-hosting resource

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
resource	available resources

Command Mode

- /exec

show app-hosting utilization

show app-hosting utilization [appid <app-hosting-appid>]

Syntax Description

show	Show running system information
app-hosting	State of app-hosting feature
utilization	Utilization information about application
appid	(Optional) Application ID
<i>app-hosting-appid</i>	(Optional) AppId name

Command Mode

- /exec

show archive log config

```
show archive log config { all | [ user <username> ] [ first-index <first_index> [ last-index <last_index> ] ] }
```

Syntax Description

show	Show running system information
archive	Show archive configuration
log	Show Archive Log
config	Show Config Logger information
all	List all the records in the config log
user	(Optional) List records for specific user in the config log
<i>username</i>	(Optional) Username
first-index	(Optional) The first record number to display
last-index	(Optional) The last record number to display
<i>first_index</i>	(Optional) config log first index
<i>last_index</i>	(Optional) config log last index

Command Mode

- /exec

show arp access-lists

show arp access-lists [<name>]

Syntax Description

show	Show running system information
arp	ARP access-lists
access-lists	List access lists
<i>name</i>	(Optional) List name

Command Mode

- /exec



B Show Commands

- [show background](#), on page 47
- [show banner exec](#), on page 48
- [show banner motd](#), on page 49
- [show bash-shell](#), on page 50
- [show bfd clients](#), on page 51
- [show bfd neighbors](#), on page 52
- [show bgp](#), on page 54
- [show bgp](#), on page 55
- [show bgp](#), on page 57
- [show bgp](#), on page 61
- [show bgp](#), on page 63
- [show bgp](#), on page 65
- [show bgp bmp server](#), on page 66
- [show bgp community](#), on page 67
- [show bgp convergence](#), on page 69
- [show bgp dampening dampened](#), on page 70
- [show bgp dampening flap-statistics](#), on page 72
- [show bgp dampening parameters](#), on page 74
- [show bgp evi](#), on page 76
- [show bgp extcommunity](#), on page 77
- [show bgp l3vpn](#), on page 79
- [show bgp large-community](#), on page 80
- [show bgp neighbors](#), on page 82
- [show bgp neighbors](#), on page 84
- [show bgp neighbors commands](#), on page 86
- [show bgp neighbors flap-statistics](#), on page 87
- [show bgp neighbors paths](#), on page 88
- [show bgp path-attribute discard](#), on page 89
- [show bgp paths](#), on page 91
- [show bgp peer-template](#), on page 92
- [show bgp peer](#), on page 93
- [show bgp prefix-list](#), on page 94
- [show bgp private attr](#), on page 95

- [show bgp private debug history, on page 96](#)
- [show bgp process, on page 97](#)
- [show bgp received-paths, on page 98](#)
- [show bgp regexp, on page 100](#)
- [show bgp rpki cache, on page 101](#)
- [show bgp rpki summary, on page 102](#)
- [show bgp rpki table ipv4, on page 103](#)
- [show bgp segment-routing srv6, on page 104](#)
- [show bgp self-originated, on page 105](#)
- [show bgp sessions, on page 106](#)
- [show bgp statistics, on page 107](#)
- [show bgp summary, on page 108](#)
- [show bgp summary, on page 109](#)
- [show boot, on page 110](#)
- [show boot auto-copy, on page 111](#)
- [show boot auto-copy list, on page 112](#)
- [show boot current, on page 113](#)
- [show boot mode, on page 114](#)
- [show boot order, on page 115](#)
- [show boot timings, on page 116](#)
- [show boot variables, on page 117](#)
- [show buffer-drop detail, on page 118](#)
- [show buffer-latency detail, on page 119](#)

show background

show background

Syntax Description

show	Show running system information
background	show background processes (started with 'source background <file>' command)

Command Mode

- /exec

show banner exec

show banner exec

Syntax Description

show	Show running system information
banner	Show current banner message
exec	Show current exec banner message

Command Mode

- /exec

show banner motd

show banner motd

Syntax Description

show	Show running system information
banner	Show current banner message
motd	Show current motd banner message

Command Mode

- /exec

show bash-shell

show bash-shell

Syntax Description

show	Show running system information
bash-shell	Show bash shell status

Command Mode

- /exec

show bfd clients

show bfd clients

Syntax Description

show	Show running system information
bfd	BFD commands
clients	bfd client list

Command Mode

- /exec

show bfd neighbors

```
show bfd { [ vrf { <vrf-name> | <vrf-known-name> | all } ] } { [ <ip_type> ] } neighbors { [ multihop ] | [ srte-echo ] | [ module <module> ] | [ interface <intf_id> ] | [ application <bfd_cli_client_names> ] | [ { src-ip <src_ip> | src-ipv6 <src_ipv6> } ] | [ { dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> } ] | [ vrf { <vrf-name> | <vrf-known-name> | all } ] } + [ details ]
```

Syntax Description

show	Show running system information
bfd	BFD commands
<i>ip_type</i>	(Optional) ipv4 or ipv6
neighbors	neighbors
multihop	(Optional) Display Multihop sessions only
srte-echo	(Optional) Display SRTE echo sessions only
module	(Optional) module
<i>module</i>	(Optional) module number
interface	(Optional) interface
<i>intf_id</i>	(Optional) show bfd sessions based on interface id
application	(Optional) application
<i>bfd_cli_client_names</i>	(Optional) __nil__ Clients need to register with bfd for this list
src-ip	(Optional) Source ip
src-ipv6	(Optional) Source ip
<i>src_ip</i>	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest-ipv6	(Optional) Destination ip
<i>dest_ip</i>	(Optional) Destination ip value
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
details	(Optional) details

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { { ipv4 { unicast
| multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database
[ <ipnexthop> ] } } { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [
<ipv6nexthop> ] } } { all nexthop-database } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
nexthop-database	Display nexthop database
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
mdt	Display BGP information for multicast distribution tree
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
<i>ipnexthop</i>	(Optional) Nexthop address

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { 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 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 } } } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
policy	Display policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First
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)
<i>tag</i>	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
<i>neighbor-id</i>	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	Show dampening info
network	Configured IP prefix to advertise
mask	Configured mask of the IP prefix advertised
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
<i>ip-addr</i>	IP network advertised
<i>ip-mask</i>	Dotted 4-octet mask
<i>ip-prefix</i>	IP prefix in CIDR format

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ipv4 { unicast |
multicast } | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast
} [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] [ detail ] | <ip-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast } [ <ipv6-prefix> [ longer-prefixes ] [ detail ] | labels |
exported | imported | detail ] | { ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } [
<ip-addr> [ <ip-mask> ] | <ip-prefix> | labels | mdt-group <mdt-group> ] | { ipv4 | ipv6 } unicast [
injected-routes | origin-as validity-state [ valid | invalid | not-found ] ] | link-state [ route-type <rt-type> |
<ipv4-ls-rt> | <ipv6-ls-rt> ] | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] { { <ip-addr>
[ <ip-mask> ] | <ip-prefix> } | { ve-id <ve-id> block-offset <ve-bs> } } ] | ipv4 mvpn [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ join <v4src-addr> <v4grp-addr> <src-asn> | rp
<v4src-addr> <grp-v4prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v4prefix> | sa-ad
<v4src-addr> <v4grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7
} [ detail ] | join [ detail ] | sa-ad [ detail ] | i-pmsi [ detail ] | { <v4src-addr> [ <v4grp-addr> ] | <v4grp-addr>
[ <v4src-addr> ] } [ route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } ] [ detail ] ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4>
| <ext-comm-rd-aa4nn2> } [ join <v6src-addr> <v6grp-addr> <src-asn> | rp <v6src-addr> <grp-v6prefix>
<pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v6prefix> | sa-ad <v6src-addr> <v6grp-addr> |
route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] ] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [ detail ] | join [ detail ] |
sa-ad [ detail ] | i-pmsi [ detail ] | { <v6src-addr> [ <v6grp-addr> ] | <v6grp-addr> [ <v6src-addr> ] } [ route-type
{ 1 | 2 | 3 | 4 | 5 | 6 | 7 } ] [ detail ] ] | l2vpn evpn [ route-type <rtype> [ etid <et> ] | detail | rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [ route-type <rtype> [ etid <et> ] | <ipv4-evpn-rt> |
<ipv6-evpn-rt> | <mac-address> ] | vni-id <vni_id> [ route-type <rtype> | detail ] | es <es-id> [ route-type
<rtype> [ etid <et> ] ] | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address> ] | all [ detail ] ] [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail
<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
labels	(Optional) Display BGP labels for prefixes
exported	(Optional) Display only exported prefixes
imported	(Optional) Display only imported prefixes

injected-routes	(Optional) Display only injected prefixes
origin-as	(Optional) Display RPKI origin-as validity
validity-state	(Optional) Display validity state of origin-as for the prefix
valid	(Optional) Display only prefixes with valid origin-as
invalid	(Optional) Display only prefixes with invalid origin-as
not-found	(Optional) Display only prefixes with not-found origin-as
mdt-group	(Optional) Display prefixes with MDT group address
<i>mdt-group</i>	(Optional) MDT group address
rd	(Optional) Display information for a route distinguisher
ve-id	(Optional) VPLS VE ID
<i>ve-id</i>	(Optional) VPLS VE ID
route-type	(Optional) EVPN Route Type number
<i>rtype</i>	(Optional) EVPN route type number
1	(Optional) Inter-AS PMSI AD
2	(Optional) Intra-AS PMSI AD
3	(Optional) SPMSI AD
4	(Optional) LEAF AD
5	(Optional) Source-Active AD
6	(Optional) Shared C-Multicast
7	(Optional) Source C-Multicast
vni-id	(Optional) EVPN VNI ID number
<i>vni_id</i>	(Optional) EVPN VNI ID number
<i>rt-type</i>	(Optional) Link-State route-type
es	(Optional) Ethernet Segment
<i>es-id</i>	(Optional) ESID
etid	(Optional) Ethernet Tag-ID for L2VPN EVPN route
<i>et</i>	(Optional) Ethernet Tag-ID
<i>ipv4-evpn-rt</i>	(Optional) EVPN IPv4 address
<i>ipv4-ls-rt</i>	(Optional) Link-State NLRI with descriptor including IPv4 address

<i>mac-address</i>	(Optional) MAC address
<i>block-offset</i>	(Optional) VPLS VE Block offset
<i>ve-bs</i>	(Optional) VPLS VE Block offset
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
<i>ipv4</i>	Display BGP information for IPv4 address family
<i>vpnv4</i>	Display BGP information for VPNv4 address family
<i>vpnv6</i>	Display BGP information for VPNv6 address family
<i>ipv6</i>	Display BGP information for IPv6 address family
<i>unicast</i>	Display BGP information for unicast address family
<i>multicast</i>	Display BGP information for multicast address family
<i>mdt</i>	Display BGP information for multicast distribution tree
<i>link-state</i>	Display BGP information for link-state address family
<i>l2vpn</i>	Display BGP information for L2VPN address family
<i>vpls</i>	Display BGP information for L2VPN VPLS address family
<i>labeled-unicast</i>	Display BGP information for labeled-unicast address family
<i>mvpn</i>	Display BGP information for MVPN address family
<i>evpn</i>	Display BGP information for L2VPN EVPN address family
<i>all</i>	Display BGP information for all address families
<i>join</i>	(Optional) Display Multicast Join route
<i>detail</i>	(Optional) Display detailed path info for routes
<i>sa</i>	(Optional) Display Multicast Source Active AD route
<i>sa-ad</i>	(Optional) Display Multicast Source Active AD route
<i>i-pmsi</i>	(Optional) Display Multicast Intra-AS I-PMSI route
<i>rp</i>	(Optional) Display Multicast Group to RP route
<i>v4src-addr</i>	(Optional) Source IP Address
<i>src-asn</i>	(Optional) Source ASN
<i>v4grp-addr</i>	(Optional) Group IP Address
<i>grp-v4prefix</i>	(Optional) Group IP prefix

<i>pe-addr</i>	(Optional) PE IP Address
<i>rp-flags</i>	(Optional) Flags
<i>rp-priority</i>	(Optional) RP Priority
<i>hashlen</i>	(Optional) Hash mask length
<i>l</i>	(Optional) vrf

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } { route-map {
<rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list {
<commlist-name> | <test_pol_name> } | large-community-list { <large-commmlist-name> | <test_pol_name>
} | extcommunity-list { <extcommmlist-name> | <test_pol_name> } } [ exact-match ] } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
large-community-list	Display routes matching the large-community-list
<i>large-commmlist-name</i>	Name of large-community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommmlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpn4	Display BGP information for VPNv4 address family
vpn6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for 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
all	Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv4 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast } nexthop <ipnexthop>
| { ipv6 { unicast | multicast } | vpnv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] |
ipv6 labeled-unicast | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } nexthop
<ipv6nexthop> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	Nexthop address
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family

mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family

Command Mode

- /exec

show bgp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] | ipv6 { unicast | multicast } flap-statistics
[ <ipv6-prefix> ] | all flap-statistics } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
<i>ip-prefix</i>	(Optional) Display flap statistics for one prefix
<i>ip-addr</i>	(Optional) Display flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp bmp server

show bgp bmp server [<server-id>] [detail]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
bmp	Display BMP state
server	Display BMP server information
<i>server-id</i>	(Optional) Display server specific information
detail	(Optional) Display detailed information

Command Mode

- /exec

show bgp community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } community {
<regex-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family

evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show bgp convergence

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] convergence [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
convergence	Display information about convergence
detail	(Optional) Display detailed information about convergence

Command Mode

- /exec

show bgp dampening dampened

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening {
dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampened-paths	Display all dampened paths
history-paths	Display all history paths
dampening	Display dampening info
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for 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
all	Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show bgp dampening flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
flap-statistics [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
flap-statistics	Display flap statistics for routes
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for 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
all	Display BGP information for all address families

Command Mode

- /exec

show bgp dampening parameters

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } dampening
parameters [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for 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
all	Display BGP information for all address families

Command Mode

- /exec

show bgp evi

show bgp evi [<evi-id>]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
evi	Display information about EVI database
<i>evi-id</i>	(Optional) EVI Id

Command Mode

- /exec

show bgp extcommunity

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpngv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpngv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } extcommunity
{ <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
labeled-unicast	Display BGP information for labeled-unicast 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
all	Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
<i>regexp-str</i>	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show bgp l3vpn

```
show bgp l3vpn [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
l3vpn	BGP l3vpn information
vrf	(Optional) Virtual Router Context
detail	(Optional) Detailed information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show bgp large-community

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } large-community
{ <regexp-str> | { <large-comm-xyyzz> + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family

evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
large-community	Display routes matching the BGP large communities
<i>regexp-str</i>	Regular expression to match the large communities
<i>large-comm-xyyyz</i>	Large Community value in xx:yy:zz format
exact-match	(Optional) Exact match of the large communities

Command Mode

- /exec

show bgp neighbors

```
show bgp { { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4
labeled-unicast | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } { routes [ detail | advertised
[ processed ] [ detail ] | received [ detail ] | dampened ] | advertised-routes [ processed ] [ detail ] | received-routes
[ detail ] } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } }
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
labeled-unicast	Display BGP information for labeled-unicast address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
routes	Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
advertised-routes	Display all the routes advertised to this peer
received-routes	Display all the routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer

detail	(Optional) Display detailed output
processed	(Optional) Display advertised routes after outbound route-map

Command Mode

- /exec

show bgp neighbors

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn | ipv6 mvpn | ipv4 labeled-unicast } neighbors [ { <neighbor-id> | <ipv6-neighbor-id> | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> | <neighbor-interface> } ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	(Optional) Display details for a prefix peering
<i>neighbor-interface</i>	(Optional) Display details for BGP interface peering
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for 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
all	Display BGP information for all address families

Command Mode

- /exec

show bgp neighbors commands

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | l2vpn evpn } neighbors {
<neighbor-id> | <ipv6-neighbor-id> } commands [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
neighbors	Display all configured BGP neighbors
commands	Display details on commands

Command Mode

- /exec

show bgp neighbors flap-statistics

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } neighbors { <neighbor-id> | <ipv6-neighbor-id> } flap-statistics
[ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
flap-statistics	Display flap statistics for routes received from this peer

Command Mode

- /exec

show bgp neighbors paths

```
show bgp { [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast
| multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4
labeled-unicast | link-state | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } paths [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
paths	Display AS paths learned from this peer

Command Mode

- /exec

show bgp path-attribute discard

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpv4 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | link-state | l2vpn vpls [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | l2vpn evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4
mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | ipv6 { unicast |
multicast } | vpv6 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast
| ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] } path-attribute { discard | unknown
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpv4	Display BGP information for VPNv4 address family
vpv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family

path-attribute	path attribute on a route
discard	discard the path attribute
unknown	unknown path attribute

Command Mode

- /exec

show bgp paths

show [ip] bgp paths

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
paths	Display Path information

Command Mode

- /exec

show bgp peer-template

```
show [ ip ] bgp peer-template [ <peer-template-name> ]
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-template	Display information about a peer-template
<i>peer-template-name</i>	(Optional) Peer-template name

Command Mode

- /exec

show bgp peer

```
show [ ip ] bgp { peer-session [ <session-template-name> ] | peer-policy [ <policy-template-name> ] }
```

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-session	Display information about a peer-session
peer-policy	Display information about a peer-policy
<i>session-template-name</i>	(Optional) Peer-session name
<i>policy-template-name</i>	(Optional) Peer-policy name

Command Mode

- /exec

show bgp prefix-list

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } } prefix-list { <prfxlist-name> | <test_pol_name> } [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family

Command Mode

- /exec

show bgp private attr

show bgp private attr [database | as-path | nve-peer | community | large-community | extcommunity | srte-policy | prefix-sid | srv6 | attrset] [brief]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
attr	Show BGP attributes
database	(Optional) Show attribute set table
as-path	(Optional) Show AS-PATH attribute table
nve-peer	(Optional) Show NVE peer attribute table
community	(Optional) Show community attribute table
large-community	(Optional) Show large community attribute table
extcommunity	(Optional) Show extended community attribute table
srte-policy	(Optional) Show SRTE policy attribute table
prefix-sid	(Optional) Show prefix SID attribute table
srv6	(Optional) Show SRv6 attribute table
attrset	(Optional) Show ATTRSET attribute table
brief	(Optional) Show brief info

Command Mode

- /exec

show bgp private debug history

show bgp private debug history { all | ead-es | es | mac | cloudsec }

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
debug	Debug
history	history
all	all
ead-es	ead-es
es	es
mac	mac
cloudsec	cloudsec

Command Mode

- /exec

show bgp process

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] process [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
process	BGP global information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show bgp received-paths

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | ipv4 mdt [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }
] | vpnv4 unicast [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | vpnv6 unicast [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv6 labeled-unicast | link-state | l2vpn vpls [ rd {
<ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 mvpn [ rd { <ext-comm-rd-aa2nn4> |
<ext-comm-rd-aa4nn2> } ] | ipv6 mvpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | l2vpn
evpn [ rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } ] | ipv4 labeled-unicast | all } received-paths
[ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
rd	(Optional) Display information for a route distinguisher
<i>ext-comm-rd-aa4nn2</i>	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
<i>ext-comm-rd-aa2nn4</i>	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for 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
all	Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show bgp regexp

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } regexp <regexp-str> [ vrf { <vrf-name> | <vrf-known-name>
| ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show bgp rpki cache

show bgp rpki cache [<ipv4-addr> | <ipv6-addr>]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rpki	Display RPKI information
cache	Display RPKI cache information
<i>ipv4-addr</i>	(Optional) Display one particular RPKI IPv4 cache

Command Mode

- /exec

show bgp rpki summary

show bgp rpki summary

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rpki	Display RPKI information
summary	Display RPKI summary information

Command Mode

- /exec

show bgp rpk table ipv4

```
show bgp rpk table { ipv4 [ <ip-prefix> ] | ipv6 [ <ipv6-prefix> ] }
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rpk	Display RPKI information
table	Display RPKI table information
ipv4	Display IPv4 RPKI table information
<i>ip-prefix</i>	(Optional) Display one particular prefix from RPKI
ipv6	Display IPv6 RPKI table information

Command Mode

- /exec

show bgp segment-routing srv6

show bgp segment-routing srv6

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
segment-routing	Display segment-routing information
srv6	Display segment-routing srv6 information

Command Mode

- /exec

show bgp self-originated

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } self-originated [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
self-originated	Self originated routes

Command Mode

- /exec

show bgp sessions

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] sessions [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
sessions	Display session information for all peers

Command Mode

- /exec

show bgp statistics

show bgp statistics

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
statistics	BGP global statistics

Command Mode

- /exec

show bgp summary

```
show bgp { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpv4 unicast | vpv6 unicast
| ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4 labeled-unicast | all
} summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for 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
all	Display BGP information for all address families

Command Mode

- /exec

show bgp summary

```
show bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast |
multicast } | ipv6 { unicast | multicast } | all } summary
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show boot

show boot

Syntax Description

show	Show running system information
boot	Show Bootvar Variables

Command Mode

- /exec

show boot auto-copy

show boot auto-copy

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autcopy is turned on

Command Mode

- /exec

show boot auto-copy list

show boot auto-copy list

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autcopy is turned on
list	Show the list of files to be auto-copied

Command Mode

- /exec

show boot current

show boot current

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
current	Show Current Bootvar Variables

Command Mode

- /exec

show boot mode

show boot mode

Syntax Description

show	Show boot mode information
boot	Show boot mode
mode	See if lxc boot is turned on

Command Mode

- /exec

show boot order

show boot order

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
order	Show Boot Order

Command Mode

- /exec

show boot timings

show [system internal] boot timings [detail]

Syntax Description

show	Show running system information
system	(Optional) System-related show commands
internal	(Optional) Commands for internal use
boot	show boot information
timings	show boot timings
detail	(Optional) show detailed time statistics

Command Mode

- /exec

show boot variables

show boot variables

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
variables	Display the list of boot variables

Command Mode

- /exec

show buffer-drop detail

show buffer-drop detail

Syntax Description

show	Show running system information
buffer-drop	Show Buffer Drop information
detail	Show Session Configuration

Command Mode

- /exec

show buffer-latency detail

show buffer-latency detail

Syntax Description

show	Show running system information
buffer-latency	Show Buffer Drop information
detail	Show Session Configuration

Command Mode

- /exec

show buffer-latency detail



C Show Commands

- [show callhome](#), on page 126
- [show callhome destination-profile](#), on page 127
- [show callhome destination-profile profile](#), on page 128
- [show callhome destination-profile profile CiscoTAC-1](#), on page 129
- [show callhome destination-profile profile full-txt-destination](#), on page 130
- [show callhome destination-profile profile short-txt-destination](#), on page 131
- [show callhome transport-email](#), on page 132
- [show callhome transport](#), on page 133
- [show callhome user-def-cmds](#), on page 134
- [show cdp](#), on page 135
- [show cdp all](#), on page 136
- [show cdp global](#), on page 137
- [show cdp neighbors](#), on page 138
- [show cdp neighbors detail](#), on page 139
- [show cdp traffic interface2](#), on page 140
- [show cdp traffic interface2 all](#), on page 141
- [show cfs application](#), on page 142
- [show cfs lock](#), on page 143
- [show cfs lock](#), on page 144
- [show cfs merge status](#), on page 145
- [show cfs merge status](#), on page 146
- [show cfs peers](#), on page 147
- [show cfs peers](#), on page 148
- [show cfs regions](#), on page 149
- [show cfs static peers](#), on page 150
- [show cfs status](#), on page 151
- [show checkpoint](#), on page 152
- [show checkpoint](#), on page 153
- [show checkpoint summary](#), on page 154
- [show class-map](#), on page 155
- [show class-map type control-plane](#), on page 156
- [show class-map type network-qos](#), on page 157
- [show cli alias](#), on page 158

- [show cli dynamic integers](#), on page 159
- [show cli dynamic strings](#), on page 160
- [show cli history](#), on page 161
- [show cli interface table](#), on page 162
- [show cli list](#), on page 163
- [show cli syntax](#), on page 164
- [show cli variables](#), on page 165
- [show clock-interface](#), on page 166
- [show clock](#), on page 167
- [show config-profile](#), on page 168
- [show config-profile applied](#), on page 169
- [show config-replace log exec](#), on page 170
- [show config-replace status](#), on page 171
- [show configuration](#), on page 172
- [show configuration](#), on page 173
- [show configuration commit](#), on page 174
- [show configuration failed](#), on page 175
- [show configuration file](#), on page 176
- [show configuration session](#), on page 177
- [show configuration session](#), on page 178
- [show configuration session global-info](#), on page 179
- [show configuration session status](#), on page 180
- [show configuration session summary](#), on page 181
- [show configuration session vsh](#), on page 182
- [show consistency-checker contract](#), on page 183
- [show consistency-checker copp](#), on page 184
- [show consistency-checker copp extended module](#), on page 185
- [show consistency-checker dme interfaces](#), on page 186
- [show consistency-checker dvif-sharing vlan](#), on page 187
- [show consistency-checker egress-xlate private-vlan](#), on page 188
- [show consistency-checker ehm interface](#), on page 189
- [show consistency-checker epbr policy](#), on page 190
- [show consistency-checker epbr service-chain](#), on page 191
- [show consistency-checker fcoe](#), on page 192
- [show consistency-checker fex-interfaces fabric](#), on page 194
- [show consistency-checker fex-interfaces fabric egress-xlate private-vlan](#), on page 195
- [show consistency-checker fex-interfaces fex](#), on page 196
- [show consistency-checker forwarding](#), on page 197
- [show consistency-checker forwarding ipv6](#), on page 198
- [show consistency-checker forwarding single-route ipv4 vrf](#), on page 199
- [show consistency-checker fsync](#), on page 200
- [show consistency-checker gwmacdb](#), on page 201
- [show consistency-checker hardware-telemetry inband brief](#), on page 202
- [show consistency-checker hardware-telemetry postcard brief](#), on page 203
- [show consistency-checker itd](#), on page 204
- [show consistency-checker itd ingress interface source destination](#), on page 205

- [show consistency-checker itd ingress vlan](#), on page 206
- [show consistency-checker kim](#), on page 207
- [show consistency-checker kim interface](#), on page 208
- [show consistency-checker l2-tahoe sub-interface](#), on page 209
- [show consistency-checker l2-tahoe sub-interface vlan](#), on page 210
- [show consistency-checker l2-tahoe switchport](#), on page 211
- [show consistency-checker l2 mac-address](#), on page 212
- [show consistency-checker l2 multicast group source vlan](#), on page 213
- [show consistency-checker l2 multicast mac vlan](#), on page 214
- [show consistency-checker l3-interface](#), on page 215
- [show consistency-checker l3 multicast group source vrf](#), on page 216
- [show consistency-checker link-state fabric-eth](#), on page 217
- [show consistency-checker link-state module](#), on page 218
- [show consistency-checker macsec interface](#), on page 219
- [show consistency-checker membership port-channels](#), on page 220
- [show consistency-checker membership vlan](#), on page 221
- [show consistency-checker module](#), on page 222
- [show consistency-checker monitor session](#), on page 223
- [show consistency-checker multicast nlb cluster-ip vrf](#), on page 224
- [show consistency-checker multicast vlan](#), on page 225
- [show consistency-checker niv-datapath interface](#), on page 226
- [show consistency-checker pacl extended ingress ip interface](#), on page 227
- [show consistency-checker pacl extended ingress ip module](#), on page 228
- [show consistency-checker pacl extended ingress ipv6 module](#), on page 229
- [show consistency-checker pacl extended ingress ipv6 interface](#), on page 230
- [show consistency-checker pacl extended ingress mac module](#), on page 231
- [show consistency-checker pacl extended ingress mac interface](#), on page 232
- [show consistency-checker pacl extended module](#), on page 233
- [show consistency-checker pacl module](#), on page 234
- [show consistency-checker pacl port-channels](#), on page 235
- [show consistency-checker port-state](#), on page 236
- [show consistency-checker port-state fabric-eth](#), on page 237
- [show consistency-checker pv-mapping](#), on page 238
- [show consistency-checker pv-mapping interface](#), on page 239
- [show consistency-checker qinq](#), on page 240
- [show consistency-checker racl extended egress ipv6 module](#), on page 241
- [show consistency-checker racl extended egress ip module](#), on page 242
- [show consistency-checker racl extended egress ip interface](#), on page 243
- [show consistency-checker racl extended egress ipv6 interface](#), on page 244
- [show consistency-checker racl extended ingress ipv6 interface](#), on page 245
- [show consistency-checker racl extended ingress ip module](#), on page 246
- [show consistency-checker racl extended ingress ipv6 module](#), on page 247
- [show consistency-checker racl extended ingress ip interface](#), on page 248
- [show consistency-checker racl extended module](#), on page 249
- [show consistency-checker racl module](#), on page 250
- [show consistency-checker racl port-channels](#), on page 251

- [show consistency-checker racl svi interface](#), on page 252
- [show consistency-checker segment-routing mpls](#), on page 253
- [show consistency-checker selective-qinq](#), on page 254
- [show consistency-checker selective-qinq interface](#), on page 255
- [show consistency-checker sflow](#), on page 256
- [show consistency-checker storm-control](#), on page 257
- [show consistency-checker stp-state vlan](#), on page 258
- [show consistency-checker tap-aggregation qinq](#), on page 259
- [show consistency-checker tap-aggregation qinq interface](#), on page 260
- [show consistency-checker transceiver](#), on page 261
- [show consistency-checker vacl](#), on page 262
- [show consistency-checker vacl extended ingress ip vlan](#), on page 263
- [show consistency-checker vacl extended ingress ipv6 vlan](#), on page 264
- [show consistency-checker vacl extended ingress mac vlan](#), on page 265
- [show consistency-checker vpc](#), on page 266
- [show consistency-checker vpgrouping interface](#), on page 267
- [show consistency-checker vxlan config-check](#), on page 268
- [show consistency-checker vxlan infra](#), on page 269
- [show consistency-checker vxlan l2 mac-address module](#), on page 270
- [show consistency-checker vxlan l2 module](#), on page 271
- [show consistency-checker vxlan l2pt](#), on page 272
- [show consistency-checker vxlan l3 single-route ipv4 vrf](#), on page 273
- [show consistency-checker vxlan l3 vrf start](#), on page 274
- [show consistency-checker vxlan mh mac-addresses](#), on page 275
- [show consistency-checker vxlan mh pathlist](#), on page 276
- [show consistency-checker vxlan pv](#), on page 277
- [show consistency-checker vxlan pv interface](#), on page 278
- [show consistency-checker vxlan qinq-qinvni](#), on page 279
- [show consistency-checker vxlan qinvni](#), on page 280
- [show consistency-checker vxlan selective-qinvni](#), on page 281
- [show consistency-checker vxlan selective-qinvni interface](#), on page 282
- [show consistency-checker vxlan vlan](#), on page 283
- [show consistency-checker vxlan xconnect](#), on page 284
- [show controller accounting log](#), on page 285
- [show copp diff profile profile2](#), on page 286
- [show copp profile](#), on page 287
- [show copp status](#), on page 288
- [show copyright](#), on page 289
- [show cores](#), on page 290
- [show crypto ca certificates](#), on page 291
- [show crypto ca certificates](#), on page 292
- [show crypto ca certstore](#), on page 293
- [show crypto ca crt](#), on page 294
- [show crypto ca remote-certstore](#), on page 295
- [show crypto ca trustpoints](#), on page 296
- [show crypto ca trustpool](#), on page 297

- [show crypto ca trustpool last download status](#), on page 298
- [show crypto ca trustpool policy](#), on page 299
- [show crypto certificatemap](#), on page 300
- [show crypto key mypubkey ecc](#), on page 301
- [show crypto key mypubkey rsa](#), on page 302
- [show crypto ssh-auth-map](#), on page 303
- [show current](#), on page 304

show callhome

show callhome

Syntax Description

show	Show running system information
callhome	Show callhome information

Command Mode

- /exec

show callhome destination-profile

show callhome destination-profile

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information

Command Mode

- /exec

show callhome destination-profile profile

show callhome destination-profile profile <s0>

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
s0	Show information for user defined destination profile

Command Mode

- /exec

show callhome destination-profile profile CiscoTAC-1

show callhome destination-profile profile CiscoTAC-1

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
CiscoTAC-1	Show information for CiscoTAC-1 destination profile

Command Mode

- /exec

show callhome destination-profile profile full-txt-destination

show callhome destination-profile profile full-txt-destination

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
full-txt-destination	Show information for full-txt-destination destination profile

Command Mode

- /exec

show callhome destination-profile profile short-txt-destination

show callhome destination-profile profile short-txt-destination

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
short-txt-destination	Show information for short-txt-destination destination profile

Command Mode

- /exec

show callhome transport-email

show callhome transport-email

Syntax Description

show	Show running system information
callhome	Show callhome information
transport-email	Show callhome transport configuration (email)

Command Mode

- /exec

show callhome transport

show callhome transport

Syntax Description

show	Show running system information
callhome	Show callhome information
transport	Show callhome transport configuration (email and http)

Command Mode

- /exec

show callhome user-def-cmds

show callhome user-def-cmds

Syntax Description

show	Show running system information
callhome	Show callhome information
user-def-cmds	Show the cli commands configured for each alert group

Command Mode

- /exec

show cdp

```
show cdp { entry { all1 | name <s0> } }
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
entry	Show CDP entries in database
all1	Show all CDP entries in database
name	Show a specific CDP entry matching a name
s0	

Command Mode

- /exec

show cdp all

```
show cdp { all | interface <if0> }
```

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
all	Show all interfaces in CDP database
interface	Show CDP parameters for an interface
<i>if0</i>	

Command Mode

- /exec

show cdp global

show cdp global

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
global	Show CDP global parameters

Command Mode

- /exec

show cdp neighbors

show cdp neighbors [interface <if>]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
interface	(Optional) Show CDP neighbors on an interface
<i>if</i>	(Optional) Specify Interface

Command Mode

- /exec

show cdp neighbors detail

show cdp neighbors [interface <if>] detail

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
detail	Show CDP neighbors detailed
interface	(Optional) Show CDP neighbors on an interface
<i>if</i>	(Optional) Specify Interface

Command Mode

- /exec

show cdp traffic interface2

show cdp traffic interface2 <if2>

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
<i>if2</i>	

Command Mode

- /exec

show cdp traffic interface2 all

show cdp traffic interface2 all

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
all	Display all interface traffic

Command Mode

- /exec

show cfs application

show cfs application [{ name <cfs-dyn-app-name> | sap <i0> }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
application	Show locally registered applications
name	(Optional) Show local application information by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i0</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show cfs lock

```
show cfs lock [ { name <cfs-dyn-app-name> | sap <i1> } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show cfs lock

```
show cfs lock [ { name <cfs-dyn-app-name> [ vsan <i0> ] | sap <i1> [ vsan1 <i2> ] } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show application's locks per vsan
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show application's locks per vsan
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs merge status

show cfs merge status [{ name <cfs-dyn-app-name> [vsan <i0>] | sap <i1> [vsan1 <i2>] }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show merge information based on vsan
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show merge information based on vsan
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs merge status

show cfs merge status [{ name <cfs-dyn-app-name> [detail] | sap <i1> [detail2] }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
detail	(Optional) Show merge status by name in detail
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>il</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail2	(Optional) Show merge status by sap in detail

Command Mode

- /exec

show cfs peers

```
show cfs peers [ { name <cfs-dyn-app-name> [ vsan <i0> ] | sap <i1> [ vsan1 <i2> ] } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
vsan	(Optional) Show peers for a specified vsan(s)
<i>i0</i>	(Optional) Vsan Range
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vsan1	(Optional) Show peers for a specified vsan(s)
<i>i2</i>	(Optional) Vsan Range

Command Mode

- /exec

show cfs peers

show cfs peers [{ name <cfs-dyn-app-name> | sap <i1> }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
sap	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>i1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show cfs regions

```
show cfs regions [ { brief [ region <i0> ] | name <cfs-dyn-app-name> | region1 <i1> } ]
```

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
regions	Show all the applications with peers and region information
brief	(Optional) Show all configured regions and applications(no peers)
region	(Optional) Show all configured applications(no peers)
<i>i0</i>	(Optional) Region Id
name	(Optional) Show peers and region information for a given application
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
region1	(Optional) Show all configured applications with peers
<i>i1</i>	(Optional) Region Id

Command Mode

- /exec

show cfs static peers

show cfs static peers

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
static	Show all static peers with status
peers	Show all configured static peers with status

Command Mode

- /exec

show cfs status

show cfs status

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
status	Show current status of CFS

Command Mode

- /exec

show checkpoint

show checkpoint <chkpoint_name> [all]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoint contents
<i>chkpoint_name</i>	Checkpoint name
all	(Optional) Show default config

Command Mode

- /exec

show checkpoint

show checkpoint [all] [user | system]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
all	(Optional) Show default config
user	(Optional) Show only user configuration rollback checkpoints
system	(Optional) Show only system configuration rollback checkpoints

Command Mode

- /exec

show checkpoint summary

show checkpoint summary [user | system]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
summary	Show configuration rollback checkpoints summary
user	(Optional) Show only user configuration rollback checkpoints summary
system	(Optional) Show only system configuration rollback checkpoints summary

Command Mode

- /exec

show class-map

```
show class-map [ { [ type qos ] [ < cmap-name> | xxx < color-map-enum-name> ] } | { type queuing [ yyy
< cmap-enum-name> | zzz < default-cmap-enum-name> | < cmap-dce-name> | < cmap-name-hque> ] } ]
```

Syntax Description

xxx	(Optional) xxx
yyy	(Optional) yyy
zzz	(Optional) zzz
show	Show running system information
class-map	Show class maps
type	(Optional) Type of the class-map
qos	(Optional) type qos
queuing	(Optional) type queuing
<i>cmap-name</i>	(Optional) class map name
<i>cmap-enum-name</i>	(Optional)
<i>default-cmap-enum-name</i>	(Optional)
<i>cmap-dce-name</i>	(Optional) Queuing class-map name
<i>cmap-name-hque</i>	(Optional) Hierarchical class-map name
<i>color-map-enum-name</i>	(Optional)

Command Mode

- /exec

show class-map type control-plane

show class-map type control-plane [<omap-name>]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
control-plane	This is for copp policy
<i>omap-name</i>	(Optional) Name of the class-map

Command Mode

- /exec

show class-map type network-qos

show class-map type network-qos [<omap-name-nq>]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
<i>omap-name-nq</i>	(Optional) Class-map name
network-qos	type network-qos

Command Mode

- /exec

show cli alias

show cli alias [name <s0>]

Syntax Description

show	Show running system information
cli	Show CLI information
alias	Display the alias configuration
name	(Optional) Display a specific alias
s0	(Optional) Specify the alias

Command Mode

- /exec

show cli dynamic integers

show cli dynamic integers [<name>]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
integers	Display current range of dynamic integer parameters
<i>name</i>	(Optional) name of the dynamic parameter

Command Mode

- /exec

show cli dynamic strings

show cli dynamic strings [<name>]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
strings	Display current range of dynamic string parameters
<i>name</i>	(Optional) name of the dynamic parameter

Command Mode

- /exec

show cli history

show cli history [this-mode-only | exec-mode | config-mode] [<count> | unformatted] +

Syntax Description

show	Show running system information
cli	debug cli
history	history of cli commands
<i>count</i>	(Optional) number of lines to display (from end)
unformatted	(Optional) display just the commands
this-mode-only	(Optional) display history from current mode only
exec-mode	(Optional) display history of exec commands only
config-mode	(Optional) display history of config commands only

Command Mode

- /exec

show cli interface table

show cli interface table

Syntax Description

show	show
cli	cli
interface	interface
table	table

Command Mode

- /exec

show cli list

show cli list [detail | recurse | <component> | <max-per-cmd> | has-xml-out] +

Syntax Description

show	Show running system information
cli	Show CLI information
list	show
<i>component</i>	(Optional) component
<i>max-per-cmd</i>	(Optional) max
has-xml-out	(Optional) show
recurse	(Optional) go
detail	(Optional) formats

Command Mode

- /exec

show cli syntax

show cli syntax [long | recurse] + [has-xml-out | has-no-xml-out | is-data-modeled | has-no-data-modeled | has-dme-exempt] [roles [network-admin | network-operator | <roles-mask>]]

Syntax Description

show	Show running system information
cli	Show CLI information
syntax	show
long	(Optional) use
recurse	(Optional) also
has-xml-out	(Optional) show
has-no-xml-out	(Optional) show
is-data-modeled	(Optional) show
has-no-data-modeled	(Optional) config
has-dme-exempt	(Optional) config
roles	(Optional) show
network-admin	(Optional) show
network-operator	(Optional) show
<i>roles-mask</i>	(Optional) show

Command Mode

- /exec

show cli variables

show cli variables

Syntax Description

show	Show running system information
cli	Show CLI information
variables	Show CLI variables

Command Mode

- /exec

show clock-interface

show clock-interface

Syntax Description

clock-interface	Show clock-interface information
-----------------	----------------------------------

Command Mode

- /exec

show clock

show clock [detail]

Syntax Description

show	Show running system information
clock	Display current Date
detail	(Optional) Display current date and summertime configuration

Command Mode

- /exec

show config-profile

show config-profile [name <all_conf_profile_name>]

Syntax Description

show	Show running system information
config-profile	Show config-profiles
name	(Optional) config-profile name
<i>all_conf_profile_name</i>	(Optional) Enter the name of configuration profile

Command Mode

- /exec

show config-profile applied

show config-profile { applied [auto | manually] | non-applied } [match-name <profile_substring>]

Syntax Description

show	Show running system information
config-profile	Show config-profiles
applied	List of config-profiles that are applied
auto	(Optional) List of config-profiles that are applied via auto-config
manually	(Optional) List of all config-profiles which were applied directly from cli
non-applied	List of config-profiles that are not applied
match-name	(Optional) List of all config-profiles that have matching sub-string

Command Mode

- /exec

show config-replace log exec

show config-replace log { exec | verify }

Syntax Description

show	Show running system information
config-replace	Show config-replace
log	show config-replace log
exec	show config-replace execution log
verify	show config-replace verify log

Command Mode

- /exec

show config-replace status

show config-replace status

Syntax Description

show	Show running system information
config-replace	show config-replace
status	show status of last configure replace operation

Command Mode

- /exec

show configuration

show configuration { commit list | dual-stage sessions }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
commit	commit information
list	Information about commit-id
dual-stage	Active dual stage session
sessions	Users with active configuration sessions

Command Mode

- /exec

show configuration

show configuration

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions

Command Mode

- /exec

show configuration commit

show configuration commit { changes <conf-commit-id> | <conf-commit-id> | log }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
commit	commit information
changes	difference in committed configs
<i>conf-commit-id</i>	commit ID
log	Displays execution logs of last commit

Command Mode

- /exec

show configuration failed

show configuration failed [noerrors]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
failed	Contents of failed configuration
noerrors	(Optional) Failed items in last commit (exclude error reasons)

Command Mode

- /exec

show configuration file

show configuration file <uri0> [clear-text]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
file	Displays content of files
<i>uri0</i>	Filename to be displayed
clear-text	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show configuration session

show configuration session <s3>

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
s3	Shows configuration session given a name

Command Mode

- /exec

show configuration session

show configuration session

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions

Command Mode

- /exec

show configuration session global-info

show configuration session global-info

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
global-info	Show configuration sessions global-info

Command Mode

- /exec

show configuration session status

show configuration session status [<s3>]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
status	Show configuration session-mgr status
s3	(Optional) Shows configuration session status given a name

Command Mode

- /exec

show configuration session summary

show configuration session summary

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
summary	Show summary of the active configuration sessions

Command Mode

- /exec

show configuration session vsh

show configuration session <s3> vsh

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
s3	Shows configuration session given a name
vsh	

Command Mode

- /exec

show consistency-checker contract

```
show consistency-checker contract { vrf { all | <vrf-known-name> } | rule <rule-id> } [ debug-logs ] [ brief
| detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
contract	Security Contracts
vrf	Do consistency check for vrf
all	Check for all vrfs
<i>vrf-known-name</i>	Known VRF name
rule	Do consistency check for particular rule
<i>rule-id</i>	Enter rule ID
debug-logs	(Optional) dump debug logs to file on bootflash
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker copp

show consistency-checker copp

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context

Command Mode

- /exec

show consistency-checker copp extended module

show consistency-checker copp extended module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context
extended	extended
module	Limit display to this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker dme interfaces

show consistency-checker dme interfaces

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dme	DME (ObjectStore)
interfaces	interfaces oper data

Command Mode

- /exec

show consistency-checker dvif-sharing vlan

show consistency-checker dvif-sharing vlan <vlanid> [group <group_ip> | destination-mac <dst_mac>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dvif-sharing	Verifies dvif-sharing feature
vlan	Consistency check for vlan flood
<i>vlanid</i>	Enter vlan id
group	(Optional) Consistency check for a mcast group
<i>group_ip</i>	(Optional) Multicast IP address of single group to display
destination-mac	(Optional) Consistency check for a destination-mac
<i>dst_mac</i>	(Optional) Multicast Destination mac Address for Vlan to display

Command Mode

- /exec

show consistency-checker egress-xlate private-vlan

show consistency-checker egress-xlate private-vlan <vlan>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
<i>vlan</i>	Enter private-vlan id

Command Mode

- /exec

show consistency-checker ehm interface

show consistency-checker ehm interface { <intf> | all }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
ehm	Show EHM Info
interface	Show interface status and information
<i>intf</i>	Virtual Interface
all	Display All Interfaces

Command Mode

- /exec

show consistency-checker epbr policy

show consistency-checker epbr policy { <policyName> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
epbr	Enhanced Policy-Based Redirect
policy	Policy
<i>policyName</i>	EPBR policy name
all	Check all EPBR policies
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker epbr service-chain

show consistency-checker epbr service-chain { <svcChainName> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
epbr	Enhanced Policy-Based Redirect
service-chain	Service-chain
<i>svcChainName</i>	EPBR service-chain name
all	Check all EPBR service-chains
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fcoe

```
show consistency-checker fcoe [ { interface <ifl> [ { exclude ping } ] } | { npv [ server-interface <svr_ifl>
external-interface <ext_ifl> ] } | { hw-table { pif | vif | ucpcfg | vsan | acl | fib [ flogi | domain [ local | remote
] ] | fcf | zone | mac } } | { [ exclude ] ping } | { drop [ ingress | egress ] } | qos ] [ verbose [ detail ] ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fcoe	FCoE manager
interface	(Optional) Interface Test
<i>ifl</i>	(Optional) Interface name
npv	(Optional) NPV server to external interface pinning test
server-interface	(Optional) Server Interface Name
<i>svr_ifl</i>	(Optional) Server Interface name
external-interface	(Optional) External Interface Name
<i>ext_ifl</i>	(Optional) External Interface name
hw-table	(Optional) Consistency checker for Hardware Tables
pif	(Optional) PIF Table Test
vif	(Optional) VIF Table Test
ucpcfg	(Optional) Port-channel Program Table Test
vsan	(Optional) VSAN VLAN related tables
acl	(Optional) ACL Test
fib	(Optional) FIB Test
flogi	(Optional) FIB Test for FLOGIs
domain	(Optional) FIB Test for domains
local	(Optional) FIB Test for local domains
remote	(Optional) FIB Test for remote domains
fcf	(Optional) FCF Test
zone	(Optional) ZONE Test
mac	(Optional) MAC Table Test

exclude	(Optional) Exclude given test
ping	(Optional) FCPING Test
drop	(Optional) Hardware drops
ingress	(Optional) Ingress Drop Test
egress	(Optional) Egress Drop Test
qos	(Optional) QOS Test
verbose	(Optional) To get debugs
detail	(Optional) To get detailed debugs

Command Mode

- /exec

show consistency-checker fex-interfaces fabric

show consistency-checker fex-interfaces fabric <ch-id> [membership { vlan <vlan-id> } | stp-state { vlan <vlan-id> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fabric	Limits display for fabric port-channel
<i>ch-id</i>	Port-Channel name
membership	(Optional) Check various memberships
stp-state	(Optional) Verify spanning tree state in the hardware
vlan	(Optional) VLAN
<i>vlan-id</i>	(Optional) vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fex-interfaces fabric egress-xlate private-vlan

show consistency-checker fex-interfaces fabric <fabric-po> egress-xlate private-vlan <vlan> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fabric	Fex Fabric poort-channel
<i>fabric-po</i>	Port-Channel name
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
<i>vlan</i>	Enter private-vlan id
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fex-interfaces fex

show consistency-checker fex-interfaces { fex <id> | interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces
fex	Limit display to interfaces on this fex
<i>id</i>	Enter module number
interface	Limit display to FEX interface
<i>ifid</i>	FEX interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker forwarding

```
show consistency-checker forwarding [ ip | ipv4 ] [ unicast ] [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs
} ] [ module { <module> | all_modules } ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show consistency-checker forwarding ipv6

```
show consistency-checker forwarding ipv6 [ unicast ] [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ]
[ module { <module> | all_modules } ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show consistency-checker forwarding single-route ipv4 vrf

```
show consistency-checker forwarding single-route { ipv4 | ipv6 } <ip-prefix> vrf { <vrf-name> |
<vrf-known-name> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
<i>ip-prefix</i>	Specify an IP prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker fsync

show consistency-checker fsync [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
fsync	Do consistency check for frequency synchronization
debug-logs	(Optional) dump debug logs to file on bootflash
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker gwmacdb

show consistency-checker gwmacdb [interface { <int-id> | <ch-id> | <vlan-id> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
gwmacdb	Check gateway mac table
interface	(Optional) interface
<i>int-id</i>	(Optional) Physical or Logical interface
<i>ch-id</i>	(Optional) Port-Channel name
<i>vlan-id</i>	(Optional) SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker hardware-telemetry inband brief

show consistency-checker hardware-telemetry inband { brief | detail }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
hardware-telemetry	feature hardware-telemetry
inband	inband-telemetry version
brief	Show consistency checker structured output in brief
detail	Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker hardware-telemetry postcard brief

show consistency-checker hardware-telemetry postcard { brief | detail }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
hardware-telemetry	feature hardware-telemetry
postcard	postcard-telemetry version
brief	Show consistency checker structured output in brief
detail	Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd

show consistency-checker itd { <svcName> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
<i>svcName</i>	ITD service name
all	check all ITD services
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd ingress interface source destination

```
show consistency-checker itd ingress interface <intf> source { <src-address> | <src-ipv6-address> } destination
{ <dst-address> | <dst-ipv6-address> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
ingress	ingress direction
interface	ITD ingress interface
<i>intf</i>	
source	Do consistency check for source
<i>src-address</i>	source IP address
destination	Do consistency check for destination
<i>dst-address</i>	destination IP address
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker itd ingress vlan

show consistency-checker itd ingress vlan <vlanId> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
itd	Intelligent traffic director
ingress	ingress direction
vlan	vlan ID
<i>vlanId</i>	Enter vlan id
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker kim

show consistency-checker kim

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
kim	Kernel Interface

Command Mode

- /exec

show consistency-checker kim interface

show consistency-checker kim { interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
kim	kernel interface
interface	Limit display to interface
<i>ifid</i>	Interface
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe sub-interface

show consistency-checker l2-tahoe sub-interface { <if_name> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 sub-interface programming in the hardware
sub-interface	sub-interface
<i>if_name</i>	Physical or Logical interface
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2-tahoe sub-interface vlan

show consistency-checker l2-tahoe sub-interface vlan <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 sub-interface programming in the hardware
sub-interface	sub-interface
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number

Command Mode

- /exec

show consistency-checker l2-tahoe switchport

```
show consistency-checker l2-tahoe switchport { interface { <if_name> | all } | module { <module> | all } } [
brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
switchport	Switchport Interface
interface	interface
<i>if_name</i>	Physical or Logical interface
all	All switchport interfaces
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 mac-address

```
show consistency-checker { l2-tahoe | l2-s1 } mac-address <mac-addr> [ module <module> ] [ unit <unit> ]
[ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
l2-s1	Verify l2 mac programming in the hardware
mac-address	MAC address
<i>mac-addr</i>	address
module	(Optional) Module to run the consistency-checker on
<i>module</i>	(Optional) Module number
unit	(Optional) Unit to run the consistency checker on
<i>unit</i>	(Optional) Enter Unit Number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 multicast group source vlan

show consistency-checker l2 multicast group { <grp-address> | <grp-ipv6-address> } source { <src-address> | <src-ipv6-address> } vlan <vlan-id> [debug-logs | display-cc-time] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	Verify l2 mac programming in the hardware
multicast	multicast related information
group	Do consistency check for group
<i>grp-address</i>	group IP address
source	Do consistency check for source
<i>src-address</i>	source IP address
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number
debug-logs	(Optional) dump debug logs to file on bootflash
display-cc-time	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l2 multicast mac vlan

show consistency-checker l2 multicast mac <mac-address> vlan <vlan-id> [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	Verify l2 mac programming in the hardware
multicast	multicast related information
mac	Do consistency check for multicast mac address lookup
<i>mac-address</i>	mac address
vlan	Do consistency check for vlan
<i>vlan-id</i>	vlan number
debug-logs	(Optional) dump debug logs to file on bootflash
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l3-interface

```
show consistency-checker l3-interface { all | module <moduleid> [ brief | detail ] | interface { <ifid> | <ch-id>
| <vlan-id> } [ brief | detail ] }
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3-interface	Compares software and hardware properties of L3 interfaces
all	Run on all modules on the switch
module	Limit display to interfaces on module
<i>moduleid</i>	Module number
interface	Limit display to interface
<i>ifid</i>	Interface name
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker l3 multicast group source vrf

```
show consistency-checker l3 multicast [ overlay-only ] group { <grp-address> [ <mask> ] | <gprefix> |
<grp-ipv6-address> } source { <src-address> | <src-ipv6-address> } vrf { <vrf-name> | <vrf-known-name>
} [ debug-logs | display-cc-time ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3	l3 consistency
multicast	multicast related information
overlay-only	(Optional) perform cc for trm overlay info only
group	Do consistency check for group
<i>grp-address</i>	group IP address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	IPv4 Multicast Group Prefix
source	Do consistency check for source
<i>src-address</i>	source IP address
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	(Optional) dump debug logs to file on bootflash
display-cc-time	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker link-state fabric-ieth

```
show consistency-checker link-state fabric-ieth { [ module <module> ] } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker link-state module

show consistency-checker link-state { module <module> | interface <ifid> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
module	Limit display to interfaces on module
<i>module</i>	Module number
interface	Limit display to interface
<i>ifid</i>	Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker macsec interface

show consistency-checker macsec interface { <if_name> | all } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
macsec	Check macsec
interface	interface info
<i>if_name</i>	Physical or Logical interface
all	All switchport interfaces
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker membership port-channels

show consistency-checker membership port-channels [interface <ch-id>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
membership	Check various memberships
port-channels	Verifies port channel membership in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker membership vlan

```
show consistency-checker membership vlan { <vlanid> [ [ interface [ <intf-id> | <ch-id> ] ] ] [ private-vlan [
interface [ <int-id> | <ch-id> ] ] ] ] [ <vlan_id> ] [ native-vlan ] } [ brief | detail ]
```

Syntax Description

show	Show running system information
vlan	Verifies vlan membership in the hardware
<i>vlanid</i>	Enter vlan id
<i>vlan_id</i>	(Optional) Enter end of range of vlan id - limit to 50 for optimal time
consistency-checker	Consistency Checker
membership	Check various memberships
interface	(Optional) Interface
<i>intf-id</i>	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name
private-vlan	(Optional) Check private-vlan primary vlan
interface	(Optional) Interface
<i>int-id</i>	(Optional) Interface name
<i>ch-id</i>	(Optional) Port-Channel name
native-vlan	(Optional) Check for native vlans
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker module

show consistency-checker { l2-tahoe | l2-mtc | l2-s1 } module <module> [unit <unit>] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	Verify l2 mac programming in the hardware
l2-mtc	Verify l2 mac programming in the hardware
l2-s1	Verify l2 mac programming in the hardware
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
unit	(Optional) Unit to run the consistency checker on
<i>unit</i>	(Optional) Enter unit number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker monitor session

show consistency-checker monitor session { <session-id> | all } [debug]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
monitor	Configure Ethernet SPAN sessions
session	Configure session preferences
<i>session-id</i>	Enter monitor session id
all	All sessions
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show consistency-checker multicast nlb cluster-ip vrf

show consistency-checker multicast nlb cluster-ip <ip-address> vrf { <vrf-name> | <vrf-known-name> } [debug-logs] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
multicast	multicast related information
nlb	Do consistency check for Multicast NLB
cluster-ip	Cluster virtual unicast IP address
<i>ip-address</i>	Cluster IP address
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	(Optional) dump debug logs to file on bootflash
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker multicast vlan

show consistency-checker multicast vlan <vlanid> [group <group_ip> | destination-mac <dst_mac>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
multicast	Verify Multicast
vlan	Verifies vlan flood sharing
<i>vlanid</i>	Enter vlan id
group	(Optional) Do consistency check for a group
<i>group_ip</i>	(Optional) Multicast IP address of single group to display
destination-mac	(Optional) Do consistency check for a destination-mac
<i>dst_mac</i>	(Optional) Multicast Destination mac Address for Vlan to display

Command Mode

- /exec

show consistency-checker niv-datapath interface

show consistency-checker niv-datapath interface [<intf> | veth-all]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
niv-datapath	Verify NIV Datapath for a given interface
interface	Show interface status and information
<i>intf</i>	(Optional) Virtual interface
veth-all	(Optional) Run consistency-checker for all Veths

Command Mode

- /exec

show consistency-checker pacl extended ingress ip interface

show consistency-checker pacl extended ingress ip interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ip module

show consistency-checker pacl extended ingress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ipv6 module

show consistency-checker pacl extended ingress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress ipv6 interface

show consistency-checker pacl extended ingress ipv6 interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress mac module

show consistency-checker pacl extended ingress mac module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
module	Limit display to L2 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended ingress mac interface

show consistency-checker pacl extended ingress mac interface { <int-id> | <ch-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl extended module

show consistency-checker pacl extended module { all | <module-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
extended	extended
module	Limit display to L2 interfaces on this module
all	To run cc across all the modules
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pacl module

show consistency-checker pacl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
module	Limit display to L2 interfaces on this module
<i>module</i>	Enter module number

Command Mode

- /exec

show consistency-checker pacl port-channels

show consistency-checker pacl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
port-channels	Verifies port channel pacl programming in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker port-state

show consistency-checker port-state [{ module <module> | interface <ifid> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-state	Validates SI, MTU and IPG Settings
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
interface	(Optional) Limit display to interface
<i>ifid</i>	(Optional) Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker port-state fabric-ieth

```
show consistency-checker port-state fabric-ieth [ module <module> [ ieth-port <ieth-port> ] ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-state	Validates SI, FEC and MTU Settings
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
ieth-port	(Optional) Enter ieth-port number
<i>ieth-port</i>	(Optional) Enter ieth-port number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker pv-mapping

show consistency-checker pv-mapping

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pv-mapping	pv-mapping consistency checker

Command Mode

- /exec

show consistency-checker pv-mapping interface

show consistency-checker pv-mapping interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pv-mapping	pv-mapping consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker qinq

show consistency-checker qinq [interface [<int-id> | <ch-id>]]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
qinq	QinQ consistency checker
interface	(Optional) Interface
<i>int-id</i>	(Optional) Eth Interface
<i>ch-id</i>	(Optional) Port-Channel

Command Mode

- /exec

show consistency-checker racl extended egress ipv6 module

show consistency-checker racl extended egress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ipv6	ipv6 protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ip module

show consistency-checker racl extended egress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ip	ip protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ip interface

show consistency-checker racl extended egress ip interface { <int-id> | <ch-id> | <vlan-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended egress ipv6 interface

```
show consistency-checker racl extended egress ipv6 interface { <int-id> | <ch-id> | <vlan-id> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
egress	egress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ipv6 interface

show consistency-checker racl extended ingress ipv6 interface { <int-id> | <ch-id> | <vlan-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ip module

show consistency-checker racl extended ingress ip module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ipv6 module

show consistency-checker racl extended ingress ipv6 module <module-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
module	Limit display to L3 interfaces on this module
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended ingress ip interface

```
show consistency-checker racl extended ingress ip interface { <int-id> | <ch-id> | <vlan-id> } [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name
<i>vlan-id</i>	SVI VLAN
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl extended module

show consistency-checker racl extended module { all | <module-id> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
extended	extended
module	Limit display to L3 interfaces on this module
all	To run CC across all the modules
<i>module-id</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker racl module

show consistency-checker racl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
module	Limit display to L3 interfaces on this module
<i>module</i>	Enter module number

Command Mode

- /exec

show consistency-checker racl port-channels

show consistency-checker racl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
port-channels	Verifies port channel racl programming in the hardware
interface	(Optional) Port-channel number
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker racl svi interface

show consistency-checker racl svi interface <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
svi	Verifies SVI racl programming in the hardware
interface	SVI number
<i>vlan-id</i>	SVI VLAN

Command Mode

- /exec

show consistency-checker segment-routing mpls

show consistency-checker segment-routing mpls { ip <ip-address> mask <ip-mask> vrf <vrf-name> | label <label> } [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
segment-routing	Segment-routing
mpls	MPLS Information
ip	IP Information
<i>ip-address</i>	IP Address
mask	Mask Information
<i>ip-mask</i>	Mask Length
vrf	VRF Information
<i>vrf-name</i>	VRF Name
label	Label Information
<i>label</i>	Label Name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker selective-qinq

show consistency-checker selective-qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
selective-qinq	Selective QinQ consistency checker

Command Mode

- /exec

show consistency-checker selective-qinq interface

show consistency-checker selective-qinq interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
selective-qinq	Selective QinQ consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker sflow

show consistency-checker sflow [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
sflow	Compares software and hardware sflow details
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker storm-control

show consistency-checker storm-control [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
storm-control	Storm control consistency checker
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker stp-state vlan

show consistency-checker stp-state vlan <vlan> [interface <int-id>] [brief | detail]

Syntax Description

show	Show running system information
vlan	Verifies spanning tree state in the hardware for all interfaces in the vlan
<i>vlan</i>	Enter vlan id
interface	(Optional) Interface
<i>int-id</i>	(Optional) Interface
consistency-checker	Consistency Checker
stp-state	Verify spanning tree state in the hardware
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker tap-aggregation qinq

show consistency-checker tap-aggregation qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
tap-aggregation	Tap Aggregation Feature
qinq	QinQ consistency checker

Command Mode

- /exec

show consistency-checker tap-aggregation qinq interface

show consistency-checker tap-aggregation qinq interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
tap-aggregation	Tap Aggregation Feature
qinq	QinQ consistency checker
interface	Interface
<i>int-id</i>	Eth Interface
<i>ch-id</i>	Port-Channel

Command Mode

- /exec

show consistency-checker transceiver

show consistency-checker transceiver [{ module <module> | interface <ifid> }] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
transceiver	Validates transceiver Settings
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
interface	(Optional) Limit display to interface
<i>ifid</i>	(Optional) Interface name
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vacl

show consistency-checker vacl

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware

Command Mode

- /exec

show consistency-checker vacl extended ingress ip vlan

show consistency-checker vacl extended ingress ip vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware
extended	extended
ingress	ingress direction
ip	ip protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vacl extended ingress ipv6 vlan

show consistency-checker vacl extended ingress ipv6 vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware
extended	extended
ingress	ingress direction
ipv6	ipv6 protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vACL extended ingress mac vlan

show consistency-checker vACL extended ingress mac vlan <vlan-id> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vACL	Verify vACL programming in the hardware
extended	extended
ingress	ingress direction
mac	ethernet protocol
vlan	VLAN
<i>vlan-id</i>	vlan number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vpc

show consistency-checker vpc [source-interface [<int-id> | <ch-id>]] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpc	vPC related information
source-interface	(Optional) Source vPC member
<i>int-id</i>	(Optional) Eth Interface
<i>ch-id</i>	(Optional) Port-Channel
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vpgrouping interface

show consistency-checker vpgrouping interface { <intf> | all }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpgrouping	Show VP Grouping Info
interface	Show interface status and information
<i>intf</i>	Physical or Logical Interface
all	Display All Interfaces

Command Mode

- /exec

show consistency-checker vxlan config-check

show consistency-checker vxlan config-check [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
config-check	Check the inconsistencies in the config
verbose-mode	(Optional) config-check verbose
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan infra

show consistency-checker vxlan infra [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
infra	infra
verbose-mode	(Optional) detailed CC output
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2 mac-address module

show consistency-checker vxlan l2 mac-address <mac-addr> module <module> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2	l2
mac-address	MAC address
<i>mac-addr</i>	address
module	Module to run the consistency-checker on
<i>module</i>	Module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2 module

show consistency-checker vxlan l2 module <module> [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2	Check L2 inconsistencies
module	Module to run the consistency-checker on
<i>module</i>	Enter module number
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l2pt

show consistency-checker vxlan l2pt

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l2pt	L2pt consistency checker

Command Mode

- /exec

show consistency-checker vxlan l3 single-route ipv4 vrf

```
show consistency-checker vxlan l3 single-route { ipv4 | ipv6 } <ip-prefix> vrf { <vrf-name> |
<vrf-known-name> } [ debug-logs ] [ brief | detail ]
```

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
l3	L3
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
<i>ip-prefix</i>	Overlay L3 Route IP Address in prefix/mask format
vrf	Do consistency check for vrf
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
debug-logs	(Optional) dump debug logs to file on bootflash
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan l3 vrf start

show consistency-checker vxlan l3 vrf { <vrf-name> | all } { start-scan | report }

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
l3	l3
vrf	VRF
<i>vrf-name</i>	vrf name
all	All VRFs
start-scan	Start Route CC
report	Show Route CC report

Command Mode

- /exec

show consistency-checker vxlan mh mac-addresses

show consistency-checker vxlan mh mac-addresses [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
mac-addresses	Check mac address consistency between L2RIB and L2FM
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan mh pathlist

show consistency-checker vxlan mh pathlist [brief | detail]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
pathlist	Check Vxlan BGP EVPN MH Control plane and resultant pathlists consistency
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan pv

show consistency-checker vxlan pv

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
pv	PV consistency checker

Command Mode

- /exec

show consistency-checker vxlan pv interface

show consistency-checker vxlan pv interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
pv	PV consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan qinq-qinvni

show consistency-checker vxlan qinq-qinvni

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
qinq-qinvni	QinQ consistency checker

Command Mode

- /exec

show consistency-checker vxlan qinvni

show consistency-checker vxlan qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
qinvni	QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni

show consistency-checker vxlan selective-qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni interface

show consistency-checker vxlan selective-qinvni interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker
interface	Interface
<i>int-id</i>	Interface
<i>ch-id</i>	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan vlan

show consistency-checker vxlan vlan { <vlanid> | all } [verbose-mode] [brief | detail]

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
vlan	Verifies flood list programming for vxlan vlans
consistency-checker	Consistency Checker
<i>vlanid</i>	Enter vlan id
all	Check CC for all vxlans
verbose-mode	(Optional) detailed CC output
brief	(Optional) Show consistency checker structured output in brief
detail	(Optional) Show consistency checker structured output in detail

Command Mode

- /exec

show consistency-checker vxlan xconnect

show consistency-checker vxlan xconnect

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
xconnect	Cross-Connect consistency checker

Command Mode

- /exec

show controller accounting log

show controller <ctrl-id> accounting log

Syntax Description

show	Show running system information
controller	Controller command
<i>ctrl-id</i>	Controller id value
accounting	Accounting
log	Show log information

Command Mode

- /exec

show copp diff profile profile2

show copp diff profile <profile_type> [prior-ver] profile2 <profile_type2>

Syntax Description

show	Show running system information
copp	Control-Plane Policing
diff	Difference between CoPP Profiles
profile	CoPP Profile
<i>profile_type</i>	CoPP Profile Types
prior-ver	(Optional) Previous Configured Version
profile2	CoPP Profile
<i>profile_type2</i>	CoPP Profile Types

Command Mode

- /exec

show copp profile

show copp profile { strict | moderate | lenient | dense }

Syntax Description

show	Show running system information
copp	Control-Plane Policing
profile	CoPP Profile
strict	display strict profile
moderate	display moderate profile
lenient	display lenient profile
dense	display dense profile

Command Mode

- /exec

show copp status

show copp status

Syntax Description

show	Show running system information
copp	Control-Plane Policing
status	Show the internal status of CoPP

Command Mode

- /exec

show copyright

show copyright

Syntax Description

show	Show running system information
copyright	Copyright information

Command Mode

- /exec

show cores

```
show cores [ vdc-all | { vdc [ <e-vdc2> | <vdc-id> ] } ]
```

Syntax Description

show	Show running system information
cores	show all core dumps for the current vdc
vdc-all	(Optional) show core dumps from all vdc
vdc	(Optional) show all core dumps for the vdc

Command Mode

- /exec

show crypto ca certificates

show crypto ca certificates

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates

Command Mode

- /exec

show crypto ca certificates

show crypto ca certificates <s0>

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates
s0	trustpoint label

Command Mode

- /exec

show crypto ca certstore

show crypto ca certstore

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
certstore	Show the configured certstore

Command Mode

- /exec

show crypto ca crl

show crypto ca crl <s0>

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
crl	show CRL
s0	trustpoint label

Command Mode

- /exec

show crypto ca remote-certstore

show crypto ca remote-certstore

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
remote-certstore	Show remote certstore configuration

Command Mode

- /exec

show crypto ca trustpoints

show crypto ca trustpoints

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
trustpoints	show trustpoint configuration

Command Mode

- /exec

show crypto ca trustpool

show crypto ca trustpool

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool contents

Command Mode

- /exec

show crypto ca trustpool last download status

show crypto ca trustpool last download status

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool data
last	last trustpool download status
download	download of trustpool
status	download status

Command Mode

- /exec

show crypto ca trustpool policy

show crypto ca trustpool policy

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show Certificate authority related config
trustpool	show trustpool policy
policy	trustpool configuration

Command Mode

- /exec

show crypto certificatemap

show crypto certificatemap

Syntax Description

show	Show running system information
crypto	show crypto configuration
certificatemap	show certificatemap filters

Command Mode

- /exec

show crypto key mypubkey ecc

show crypto key mypubkey ecc

Syntax Description

show	Show running system information
crypto	show crypto configuration
key	show key configuration
mypubkey	show my public keys configuration
ecc	show my ecc public keys configuration

Command Mode

- /exec

show crypto key mypubkey rsa

show crypto key mypubkey rsa

Syntax Description

show	Show running system information
crypto	show crypto configuration
key	show key configuration
mypubkey	show my public keys configuration
rsa	show my rsa public keys configuration

Command Mode

- /exec

show crypto ssh-auth-map

show crypto ssh-auth-map

Syntax Description

show	Show running system information
crypto	show crypto configuration
ssh-auth-map	show mapping filters applied for ssh authentication

Command Mode

- /exec

show current

show current

Syntax Description

show	Display region configurations
current	Display mst configuration currently used

Command Mode

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



D Show Commands

- [show dampening interface](#), on page 307
- [show device-alias database](#), on page 308
- [show device-alias merge status](#), on page 309
- [show device-alias name](#), on page 310
- [show device-alias pending-diff](#), on page 311
- [show device-alias pending](#), on page 312
- [show device-alias pwnn](#), on page 313
- [show device-alias session rejected](#), on page 314
- [show device-alias session status](#), on page 315
- [show device-alias statistics](#), on page 316
- [show device-alias status](#), on page 317
- [show diagnostic bootup level](#), on page 318
- [show diagnostic content module](#), on page 319
- [show diagnostic description module test all](#), on page 320
- [show diagnostic events](#), on page 321
- [show diagnostic ondemand setting](#), on page 322
- [show diagnostic result module](#), on page 323
- [show diagnostic result module all](#), on page 324
- [show diagnostic simulation module](#), on page 325
- [show diagnostic status module](#), on page 326
- [show diff rollback-patch](#), on page 327
- [show diff running](#), on page 328
- [show dot1q-tunnel](#), on page 329
- [show dot1q-tunnel interface](#), on page 330
- [show dot1x](#), on page 331
- [show dot1x all](#), on page 332
- [show dot1x all details](#), on page 333
- [show dot1x all statistics](#), on page 334
- [show dot1x all summary](#), on page 335
- [show dot1x interface](#), on page 336
- [show dot1x interface client statistics](#), on page 337
- [show dot1x interface client statistics address](#), on page 338
- [show dpvm database](#), on page 339

- [show dpvm fip](#), on page 340
- [show dpvm merge statistics](#), on page 341
- [show dpvm merge status](#), on page 342
- [show dpvm pending-diff](#), on page 343
- [show dpvm pending](#), on page 344
- [show dpvm ports](#), on page 345
- [show dpvm session status](#), on page 346
- [show dpvm status](#), on page 347

show dampening interface

show dampening interface

Syntax Description

show	Show running system information
dampening	Display dampening information
interface	Display interface dampening general information

Command Mode

- /exec

show device-alias database

show device-alias database

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
database	Show Device Alias database

Command Mode

- /exec

show device-alias merge status

show device-alias merge status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
merge	Show merge information
status	Show device-alias merge status

Command Mode

- /exec

show device-alias name

show device-alias name <s0> [pending]

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
name	Show Device Alias information given a name
<i>s0</i>	Enter Device Alias name
pending	(Optional) Show pending Device Alias information given a name

Command Mode

- /exec

show device-alias pending-diff

show device-alias pending-diff

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pending-diff	Show pending diff for Device Alias database

Command Mode

- /exec

show device-alias pending

show device-alias pending

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pending	Show pending Device Alias database

Command Mode

- /exec

show device-alias pwwn

show device-alias pwwn <wwn0> [pending]

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
pwwn	Show Device Alias information given a port WWN
<i>wwn0</i>	Enter port WWN
pending	(Optional) Show pending Device Alias information given a port WWN

Command Mode

- /exec

show device-alias session rejected

show device-alias session rejected

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
session	Show session information
rejected	Show rejected command list

Command Mode

- /exec

show device-alias session status

show device-alias session status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
session	Show session information
status	Show device-alias session status

Command Mode

- /exec

show device-alias statistics

show device-alias statistics

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
statistics	Show device-alias statistics

Command Mode

- /exec

show device-alias status

show device-alias status

Syntax Description

show	Show running system information
device-alias	Show information about Device Alias Distribution Service
status	Show device-alias status

Command Mode

- /exec

show diagnostic bootup level

show diagnostic bootup level

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
bootup	Show diagnostic bootup information
level	Show diagnostic bootup level information

Command Mode

- /exec

show diagnostic content module

show diagnostic content module { all | <module> }

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
content	Show diagnostic test content
module	Module Keyword
all	Select all module ID
<i>module</i>	Module number

Command Mode

- /exec

show diagnostic description module test all

show diagnostic description module <module> test { all | <name> | <test-id> }

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
description	Show diagnostic test desc
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>	

Command Mode

- /exec

show diagnostic events

show diagnostic events [error | info]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
events	Diagnostic events
error	(Optional) Error event-type
info	(Optional) Information event-type

Command Mode

- /exec

show diagnostic ondemand setting

show diagnostic ondemand setting

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
ondemand	Show diagnostic on demand information
setting	Show diagnostic on demand settings

Command Mode

- /exec

show diagnostic result module

```
show diagnostic result module <module> [ test { <name> | <test-id> } ] { [ detail ] | [ statistics ] }
```

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
<i>module</i>	Module number
test	(Optional) Diagnostic test selection
<i>test-id</i>	(Optional)
<i>name</i>	(Optional) Test name
detail	(Optional) Detailed result
statistics	(Optional) Result statistics

Command Mode

- /exec

show diagnostic result module all

show diagnostic result module all [detail]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
all	Select all test ID
detail	(Optional) Detailed result

Command Mode

- /exec

show diagnostic simulation module

show diagnostic simulation module <module>

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
simulation	Simulating Diagnostic result
module	Module keyword
<i>module</i>	Module Number

Command Mode

- /exec

show diagnostic status module

show diagnostic status module <module>

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
status	Show test status(running/enqueued)
module	Module keyword
<i>module</i>	Module number

Command Mode

- /exec

show diff rollback-patch

```
show diff rollback-patch { src-checkpoint <chkpoint_name> | src-running-cfg | src-startup-cfg | src-file
<srcfile_uri> } { dst-checkpoint <chkpoint_name> | dst-running-cfg | dst-startup-cfg | dst-file <dstfile_uri>
}
```

Syntax Description

show	Show running system information
diff	Show diff between configuration files or checkpoints
rollback-patch	Show rollback patch between configuration files or checkpoints
src-checkpoint	Use checkpoint as source configuration
<i>chkpoint_name</i>	Checkpoint name
src-running-cfg	Use running configuration as source
src-startup-cfg	Use startup configuration as source
src-file	Src Checkpoint file
<i>srcfile_uri</i>	Src Checkpoint file path
dst-checkpoint	Use checkpoint as destination configuration
<i>chkpoint_name</i>	Checkpoint name
dst-running-cfg	Use running configuration as destination
dst-startup-cfg	Use startup configuration as destination
dst-file	Dst Checkpoint file
<i>dstfile_uri</i>	Src Checkpoint file path

Command Mode

- /exec

show diff running

```
show diff { running-config <file_uri> [ partial [ merged ] ] | startup-config <file_uri> } [ unified ]
```

Syntax Description

show	Show running system information
running-config	Current operating configuration
startup-config	Current startup configuration
<i>file_uri</i>	File path to compare with
diff	Show the difference between running/startup and user configuration in context format
unified	(Optional) Show the difference between running/startup and user configuration in unified format
partial	(Optional) User configuration file is partial and not a full configuration
merged	(Optional) Subcommands from the user configuration file are merged instead of replaced

Command Mode

- /exec

show dot1q-tunnel

show dot1q-tunnel

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel

Command Mode

- /exec

show dot1q-tunnel interface

show dot1q-tunnel interface <ifid_eth_dot1q_tunnel>

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel
interface	Show interface status and information
<i>ifid_eth_dot1q_tunnel</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show dot1x

show dot1x

Syntax Description

dot1x	dot1x configuration commands
-------	------------------------------

Command Mode

- /exec

show dot1x all

show dot1x all

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces

Command Mode

- /exec

show dot1x all details

show dot1x all details

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
details	802.1x details

Command Mode

- /exec

show dot1x all statistics

show dot1x all statistics

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
statistics	802.1x statistics

Command Mode

- /exec

show dot1x all summary

show dot1x all summary

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
summary	802.1x summary

Command Mode

- /exec

show dot1x interface

{ show dot1x interface <if>

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
details	802.1x details
statistics	802.1x statistics
summary	802.1x summary
TABLE_if_auth_clients_detail	(Optional)
TABLE_if_auth_clients_summary	(Optional)

Command Mode

- /exec

show dot1x interface client statistics

show dot1x interface <if> client statistics

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
client	802.1x client
statistics	802.1x statistics

Command Mode

- /exec

show dot1x interface client statistics address

show dot1x interface <if> client statistics address <mac-address>

Syntax Description

dot1x	dot1x configuration commands
<i>if</i>	
client	802.1x client
statistics	802.1x statistics
address	802.1x client address
<i>mac-address</i>	mac address EE:EE:EE:EE:EE:EE

Command Mode

- /exec

show dpvm database

show dpvm database [active]

Syntax Description

show	Show running system information
dpvm	Show dpvm
database	Show dpvm configured database
active	(Optional) Show dpvm activated database

Command Mode

- /exec

show dpvm fip

show dpvm fip

Syntax Description

show	Show running system information
dpvm	Show dpvm commands
fip	Display the enabled FIP

Command Mode

- /exec

show dpvm merge statistics

show dpvm merge statistics

Syntax Description

show	Show running system information
dpvm	Show dpvm
merge	Show dpvm merge information
statistics	Show dpvm merge statistics

Command Mode

- /exec

show dpvm merge status

show dpvm merge status

Syntax Description

show	Show running system information
dpvm	Show dpvm
merge	Show dpvm merge information
status	Show dpvm merge status

Command Mode

- /exec

show dpvm pending-diff

show dpvm pending-diff

Syntax Description

show	Show running system information
dpvm	Show dpvm
pending-diff	Pending DPVM configuration diff

Command Mode

- /exec

show dpvm pending

show dpvm pending [activation status]

Syntax Description

show	Show running system information
dpvm	Show dpvm
pending	Pending DPVM configuration
activation	(Optional) Pending activate db
status	(Optional) Show dpvm activate failure status

Command Mode

- /exec

show dpvm ports

show dpvm ports [vsan <i0>]

Syntax Description

show	Show running system information
dpvm	Show dpvm
ports	Show dpvm dynamic ports
vsan	(Optional) Show dpvm dynamic ports for a given VSAN
<i>i0</i>	(Optional) vsan id

Command Mode

- /exec

show dpvm session status

show dpvm session status

Syntax Description

show	Show running system information
dpvm	Show dpvm
session	Show dpvm session information
status	Show dpvm session status

Command Mode

- /exec

show dpvm status

show dpvm status

Syntax Description

show	Show running system information
dpvm	Show dpvm
status	Show dpvm status

Command Mode

- /exec

 `show dpvm status`



E Show Commands

- [show ecp, on page 350](#)
- [show elam report, on page 351](#)
- [show email, on page 352](#)
- [show encryption service status, on page 353](#)
- [show environment, on page 354](#)
- [show environment power history, on page 355](#)
- [show epbr policy, on page 356](#)
- [show epbr service-chain, on page 357](#)
- [show epbr service, on page 358](#)
- [show epbr statistics policy, on page 359](#)
- [show errdisable detect, on page 360](#)
- [show errdisable flap, on page 361](#)
- [show esmc counters interface, on page 362](#)
- [show esmc packet-trace, on page 363](#)
- [show ethanalyzer background-session, on page 364](#)
- [show evb, on page 365](#)
- [show evb hosts, on page 366](#)
- [show evb vsi, on page 367](#)
- [show event manager environment, on page 368](#)
- [show event manager event-types, on page 369](#)
- [show event manager events action-log, on page 370](#)
- [show event manager history events, on page 371](#)
- [show event manager policy-state, on page 372](#)
- [show event manager script system, on page 373](#)
- [show event manager system-policy, on page 374](#)

show ecp

show ecp [detail]

Syntax Description

show	Show running system information
ecp	ECP (Edge Control Protocol)
detail	(Optional) Detailed information

Command Mode

- /exec

show elam report

show elam report [l2 | l3 | l4 | aclqos | mcast | mpls]

Syntax Description

show	Show running system information
elam	elam
report	Show ELAM report
l2	(Optional) Layer 2 header report
l3	(Optional) Layer 3 header report
l4	(Optional) Layer 4 header report
aclqos	(Optional) Aclqos report
mcast	(Optional) Multicast report
mpls	(Optional) MPLS report

Command Mode

- /exec/elamtah/outsel2

show email

show email

Syntax Description

show	Show running system information
email	Pipe email configuration

Command Mode

- /exec

show encryption service status

show encryption service status

Syntax Description

show	Show running system information
encryption	Encryption service
service	Encryption service
status	Encryption service status

Command Mode

- /exec

show environment

```
show environment [ fan [ detail1 ] | power [ detail ] [ ampere ] [ input ] | temperature [ module <module> |
<s0> <santa-cruz-range> | psu ] ]
```

Syntax Description

show	Show running system information
environment	system environment information
fan	(Optional) Fan information
power	(Optional) Power capacity and power distribution information
detail	(Optional) Detail Fan-tray information when used with Fan. Detail Power capacity and power distribution information when used with Power
detail1	(Optional) Detail Fan-tray information when used with Fan
ampere	(Optional) Ampere Power capacity and power distribution information
input	(Optional) Power supply power input
temperature	(Optional) temperature sensor information
module	(Optional) enter a module number
<i>module</i>	(Optional) please enter the module number
<i>s0</i>	(Optional) xbar
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
psu	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show environment power history

show environment power history [target { 1min | 1hr | 24hr | 14days [day <day_num>] } | peak]

Syntax Description

show	Show running system information
environment	system environment information
power	Power capacity and power distribution information
history	PS history
target	(Optional) Power usage target
1min	(Optional) 1min
1hr	(Optional) 1hr
24hr	(Optional) 24hr
14days	(Optional) 14days
day	(Optional) specify day
<i>day_num</i>	(Optional) For 14 days specify the number 1-14 to display op
peak	(Optional) Power usage history peak

Command Mode

- /exec

show epbr policy

show epbr policy [<policy-name>] [reverse]

Syntax Description

show	Show running system information
epbr	Show information about epbr
policy	EPBR policy name
<i>policy-name</i>	(Optional) Policy name
reverse	(Optional) Apply the policy in reverse dir

Command Mode

- /exec

show epbr service-chain

show epbr service-chain [<chain-name>] [reverse]

Syntax Description

show	Show running system information
epbr	Show information about epbr
service-chain	EPBR service-chain name
<i>chain-name</i>	(Optional) Service-chain name
reverse	(Optional) Apply the service-chain in reverse dir

Command Mode

- /exec

show epbr service

show epbr service [<svc-name>]

Syntax Description

show	Show running system information
epbr	Show information about epbr
service	EPBR service name
<i>svc-name</i>	(Optional) Service name

Command Mode

- /exec

show epbr statistics policy

show epbr statistics policy <policy-name> [reverse]

Syntax Description

show	Show running system information
epbr	Show information about epbr
statistics	EPBR Statistics
policy	EPBR Policy
TABLE_pmap_intf	(Optional)
<i>pmap_interface</i>	(Optional) Ingress Interface
<i>policy-name</i>	Policy name
reverse	(Optional) Apply the policy in reverse dir

Command Mode

- /exec

show errdisable detect

show errdisable { detect | recovery }

Syntax Description

show	Show running system information
errdisable	Error disable
detect	Show errdisable detect
recovery	Show errdisable recovery

Command Mode

- /exec

show errdisable flap

show errdisable flap

Syntax Description

show	Show running system information
errdisable	Error disable
flap	linkstate flapping

Command Mode

- /exec

show esmc counters interface

show esmc counters { interface <if0> | all }

Syntax Description

show	Show running system information
esmc	Ethernet Synchronization Messaging Channel

Command Mode

- /exec

show esmc packet-trace

show esmc packet-trace

Syntax Description

show	Show running system information
esmc	Ethernet Synchronization Messaging Channel

Command Mode

- /exec

show ethanalyzer background-session

```
show ethanalyzer background-session { [ processes ] | [ config ] }
```

Syntax Description

show	Show running system information
ethanalyzer	Configure cisco packet analyzer
background-session	Show background packet analyzer sessions
processes	(Optional) Show background packet analyzer sessions processes
config	(Optional) Print background packet analyzer session configuration file

Command Mode

- /exec

show evb

show evb

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)

Command Mode

- /exec

show evb hosts

```
show evb hosts [ { summary | detail | internal-info } ] [ { [ mac <mac-addr> | interface <intf-name> | vlan
<vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> | name <host-name> ] + } ]
```

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
hosts	Host information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mac	(Optional) Display hosts by MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Display hosts by interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Display hosts by VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Display hosts by Virtual Network Identifier
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Display hosts by IP address
ipv6	(Optional) Display hosts by IPv6 address
<i>ip-addr</i>	(Optional) IP address
name	(Optional) Display hosts by host name
<i>host-name</i>	(Optional) Host name substring

Command Mode

- /exec

show evb vsi

```
show evb vsi [ { summary | detail | internal-info } ] [ { [ mac <mac-addr> | interface <intf-name> | vlan
<vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> ] + } ]
```

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
vsi	Virtual Station Interface (VSI) information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mac	(Optional) Display VSI by MAC address
<i>mac-addr</i>	(Optional) MAC Address
interface	(Optional) Display VSI by interface
<i>intf-name</i>	(Optional) Interface name
vlan	(Optional) Display VSI by VLAN
<i>vlan-id</i>	(Optional) VLAN ID
vni	(Optional) Display VSI by Virtual Network Identifier
<i>vni-id</i>	(Optional) VNI
ip	(Optional) Display VSI by IP address
ipv6	(Optional) Display VSI by IPv6 address
<i>ip-addr</i>	(Optional) IP address

Command Mode

- /exec

show event manager environment

```
show event manager environment { all | <varname> }
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
environment	Show information about environment variables
all	Show information about all the configured environment variables
<i>varname</i>	The environment variable name on which information is required

Command Mode

- /exec

show event manager event-types

```
show event manager event-types [ all | <event-type-name> ] [ module <module-id> ]
```

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
event-types	Show information about registered event types
all	(Optional) Show information about advanced event types as well
<i>event-type-name</i>	(Optional) Show information about the specified event type
module	(Optional) Show information about event types on other modules
<i>module-id</i>	(Optional) Module Id

Command Mode

- /exec

show event manager events action-log

show event manager events action-log [policy <policy-name> | event-type <event-type-name>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
events	Show information about the history of past events
action-log	Show policy action logs
policy	(Optional) Name of policy
<i>policy-name</i>	(Optional) Enter policy name
event-type	(Optional) Name of event
<i>event-type-name</i>	(Optional) Enter event type

Command Mode

- /exec

show event manager history events

show event manager history events [detail] [maximum <n-events>] [severity <sev>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
history	Show information about the history of past activity
events	Show information about the history of past events
detail	(Optional) Show information about the event parameters as well
maximum	(Optional) Specify an upper limit on the number of events to be shown
<i>n-events</i>	(Optional) Specify the maximum number of events to be shown
severity	(Optional) Show only those events whose severity is \geq specified severity
<i>sev</i>	(Optional) Enter the severity threshold

Command Mode

- /exec

show event manager policy-state

show event manager policy-state <name> [module <module-id>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
policy-state	Show information about the state of a policy
<i>name</i>	Name of the policy
module	(Optional) Get the information from a module
<i>module-id</i>	(Optional) Module Id

Command Mode

- /exec

show event manager script system

show event manager script system { all | <script-name> }

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
script	Show information about a script policy
system	Show information about a system script policy
all	Show all the available system script policies
<i>script-name</i>	Name of the system script policy

Command Mode

- /exec

show event manager system-policy

show event manager system-policy [all | <policy-name>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
system-policy	Show information about default system policies
all	(Optional) Show all policies (including advanced and non-overridable ones)
<i>policy-name</i>	(Optional) Show detailed information about the specified policy

Command Mode

- /exec



F Show Commands

- [show fabric-binding database](#), on page 381
- [show fabric-binding efmd statistics](#), on page 382
- [show fabric-binding fip](#), on page 383
- [show fabric-binding statistics](#), on page 384
- [show fabric-binding status](#), on page 385
- [show fabric-binding violations](#), on page 386
- [show fabric database dci](#), on page 387
- [show fabric database host](#), on page 388
- [show fabric database host statistics](#), on page 389
- [show fabric database host summary](#), on page 390
- [show fabric database profile-map](#), on page 391
- [show fabric database static-host](#), on page 392
- [show fabric database statistics](#), on page 393
- [show fabric forwarding host-db](#), on page 394
- [show fabric forwarding ip local](#), on page 395
- [show fabric forwarding ipv6 local](#), on page 396
- [show fabric multicast globals](#), on page 397
- [show fabric multicast ipv4 l2 vni](#), on page 398
- [show fabric multicast statistics](#), on page 399
- [show fabric multicast vrf](#), on page 400
- [show fabric switch information](#), on page 401
- [show fc2 bind](#), on page 402
- [show fc2 bind](#), on page 403
- [show fc2 classf](#), on page 404
- [show fc2 classf](#), on page 405
- [show fc2 exchange](#), on page 406
- [show fc2 exchange](#), on page 407
- [show fc2 exchresp](#), on page 408
- [show fc2 exchresp](#), on page 409
- [show fc2 flogi](#), on page 410
- [show fc2 flogi](#), on page 411
- [show fc2 nport](#), on page 412
- [show fc2 nport](#), on page 413

- [show fc2 plogi](#), on page 414
- [show fc2 plogi](#), on page 415
- [show fc2 plogi_pwwn](#), on page 416
- [show fc2 plogi_pwwn](#), on page 417
- [show fc2 port brief](#), on page 418
- [show fc2 port brief](#), on page 419
- [show fc2 port drops](#), on page 420
- [show fc2 port drops](#), on page 421
- [show fc2 port state](#), on page 422
- [show fc2 port state](#), on page 423
- [show fc2 socket](#), on page 424
- [show fc2 socket](#), on page 425
- [show fc2 sockexch](#), on page 426
- [show fc2 sockexch](#), on page 427
- [show fc2 socknotify](#), on page 428
- [show fc2 socknotify](#), on page 429
- [show fc2 socknport](#), on page 430
- [show fc2 socknport](#), on page 431
- [show fc2 vsan](#), on page 432
- [show fc2 vsan](#), on page 433
- [show fcalias](#), on page 434
- [show fcdomain](#), on page 435
- [show fcdomain address-allocation](#), on page 436
- [show fcdomain allowed](#), on page 437
- [show fcdomain domain-list](#), on page 438
- [show fcdomain fcid persistent](#), on page 439
- [show fcdomain pending-diff](#), on page 440
- [show fcdomain pending](#), on page 441
- [show fcdomain session-status](#), on page 442
- [show fcdomain statistics](#), on page 443
- [show fcdomain status](#), on page 444
- [show fcdomain vsan](#), on page 445
- [show fcdroplateny](#), on page 446
- [show fcid-allocation area](#), on page 447
- [show fcid-allocation company-id-from-wwn](#), on page 448
- [show fcns database](#), on page 449
- [show fcns statistics](#), on page 451
- [show fcoe-npv issu-impact](#), on page 452
- [show fcoe](#), on page 453
- [show fcoe database](#), on page 454
- [show fcs database](#), on page 455
- [show fcs ie](#), on page 456
- [show fcs platform](#), on page 457
- [show fcs port](#), on page 458
- [show fcs statistics](#), on page 459
- [show fcs vsan](#), on page 460

- [show fctimer](#), on page 461
- [show fctimer D_S_TOV](#), on page 462
- [show fctimer E_D_TOV](#), on page 463
- [show fctimer F_S_TOV](#), on page 464
- [show fctimer R_A_TOV](#), on page 465
- [show fctimer last action status](#), on page 466
- [show fctimer pending-diff](#), on page 467
- [show fctimer pending](#), on page 468
- [show fctimer session status](#), on page 469
- [show fctimer status](#), on page 470
- [show fctimer vsan](#), on page 471
- [show fdmi database](#), on page 472
- [show fdmi database detail](#), on page 473
- [show fdmi database detail hba-id vsan](#), on page 474
- [show fdmi database detail vsan](#), on page 475
- [show fdmi database vsan](#), on page 476
- [show fdmi suppress-updates](#), on page 477
- [show feature-set](#), on page 478
- [show feature-set services](#), on page 479
- [show feature](#), on page 480
- [show fex interface priority-flow-control](#), on page 481
- [show fhrp](#), on page 482
- [show fhrp verbose](#), on page 483
- [show file](#), on page 484
- [show filter details](#), on page 485
- [show filter summary](#), on page 486
- [show fips status](#), on page 487
- [show flogi auto-area-list](#), on page 488
- [show flogi database](#), on page 489
- [show flow cache](#), on page 490
- [show flow cache](#), on page 491
- [show flow event](#), on page 492
- [show flow exporter](#), on page 493
- [show flow filter](#), on page 494
- [show flow interface](#), on page 495
- [show flow monitor](#), on page 496
- [show flow profile](#), on page 497
- [show flow record](#), on page 498
- [show flow rtp](#), on page 499
- [show flow rtp timeout](#), on page 500
- [show flow system](#), on page 501
- [show flow timeout](#), on page 502
- [show flow tracer](#), on page 503
- [show flow traffic-analytics](#), on page 504
- [show flow vrf](#), on page 505
- [show forwarding](#), on page 506

- [show forwarding adjacency](#), on page 507
- [show forwarding consistency-fretta l2](#), on page 508
- [show forwarding distribution clients](#), on page 509
- [show forwarding distribution evpn storm-control](#), on page 510
- [show forwarding distribution fib-state](#), on page 511
- [show forwarding distribution ip igmp snooping](#), on page 512
- [show forwarding distribution ipv6 multicast route](#), on page 513
- [show forwarding distribution l2 multicast](#), on page 514
- [show forwarding distribution multicast](#), on page 515
- [show forwarding distribution multicast client-ack-db](#), on page 516
- [show forwarding distribution multicast client](#), on page 517
- [show forwarding distribution multicast download](#), on page 518
- [show forwarding distribution multicast mfib](#), on page 519
- [show forwarding distribution multicast outgoing-interface-list L2_PRIME](#), on page 520
- [show forwarding distribution multicast resp-ack-timer-msgs](#), on page 521
- [show forwarding distribution multicast route](#), on page 522
- [show forwarding distribution multicast route sr um-nat](#), on page 523
- [show forwarding distribution multicast sr hash-db](#), on page 524
- [show forwarding distribution multicast unique-v6sources](#), on page 525
- [show forwarding distribution multicast vxlan dsg-db](#), on page 526
- [show forwarding distribution multicast vxlan mdt-db](#), on page 527
- [show forwarding distribution multicast vxlan mdt-db pss](#), on page 528
- [show forwarding distribution multicast vxlan vlan-db](#), on page 529
- [show forwarding distribution nve overlay-vlan](#), on page 530
- [show forwarding distribution peer-id](#), on page 531
- [show forwarding distribution srv6 local-sid bd-mapping](#), on page 532
- [show forwarding distribution trace](#), on page 533
- [show forwarding ecmp](#), on page 534
- [show forwarding ecmp recursive](#), on page 535
- [show forwarding inconsistency](#), on page 536
- [show forwarding interfaces](#), on page 537
- [show forwarding ipv6](#), on page 538
- [show forwarding ipv6 adjacency](#), on page 540
- [show forwarding ipv6 inconsistency](#), on page 541
- [show forwarding ipv6 multicast route](#), on page 542
- [show forwarding kvfib cache on](#), on page 543
- [show forwarding kvfib file debug](#), on page 544
- [show forwarding kvfib socket descriptor](#), on page 545
- [show forwarding l2 multicast](#), on page 546
- [show forwarding l2vpn label vpls](#), on page 547
- [show forwarding l2vpn label xconnect](#), on page 548
- [show forwarding l2vpn vlan](#), on page 549
- [show forwarding mpls](#), on page 550
- [show forwarding mpls drop-stats](#), on page 551
- [show forwarding mpls ecmp](#), on page 552
- [show forwarding mpls eompls](#), on page 553

- [show forwarding mpls eompls ir](#), on page 554
- [show forwarding mpls option_b](#), on page 555
- [show forwarding mpls srte module](#), on page 556
- [show forwarding mpls summary](#), on page 557
- [show forwarding multicast-sr loopback interface](#), on page 558
- [show forwarding multicast-sr mac-trap-db](#), on page 559
- [show forwarding multicast outgoing-interface-list](#), on page 560
- [show forwarding multicast pvlan replicated-routes](#), on page 561
- [show forwarding multicast route](#), on page 562
- [show forwarding nve l2 ingress-replication-peers](#), on page 564
- [show forwarding nve l3 adjacency tunnel](#), on page 565
- [show forwarding nve l3 adjacency v6-tunnel](#), on page 566
- [show forwarding nve l3 ecmp](#), on page 567
- [show forwarding nve l3 peers](#), on page 568
- [show forwarding nve underlay-interfaces](#), on page 569
- [show forwarding otv](#), on page 570
- [show forwarding otv ipv6 multicast route](#), on page 571
- [show forwarding otv multicast outgoing-interface-list](#), on page 572
- [show forwarding otv multicast route](#), on page 573
- [show forwarding otv vlan](#), on page 574
- [show forwarding proactive-cc inconsistencies](#), on page 575
- [show forwarding security group-tag](#), on page 576
- [show forwarding security mac](#), on page 577
- [show forwarding srv6 adjacency decap](#), on page 578
- [show forwarding srv6 adjacency encap](#), on page 579
- [show forwarding srv6 bsid-peer](#), on page 580
- [show forwarding srv6 bsid](#), on page 581
- [show forwarding srv6 ecmp](#), on page 582
- [show forwarding srv6 local-sid](#), on page 583
- [show forwarding srv6 peers](#), on page 584
- [show forwarding trace](#), on page 585
- [show forwarding trace profile](#), on page 586
- [show forwarding trace profile funcstats](#), on page 587
- [show frequency synchronization clock-interface brief](#), on page 588
- [show frequency synchronization clock-interface detail](#), on page 589
- [show frequency synchronization configuration errors](#), on page 590
- [show frequency synchronization interface](#), on page 591
- [show frequency synchronization interface brief](#), on page 592
- [show frequency synchronization selection](#), on page 593
- [show fspf](#), on page 594
- [show fspf database](#), on page 595
- [show fspf interface](#), on page 596
- [show fspf vsan](#), on page 597
- [show fspf vsan interface](#), on page 598
- [show fte event](#), on page 599
- [show fte exporter](#), on page 600

- [show fte monitor](#), on page 601
- [show fte record](#), on page 602

show fabric-binding database

```
show fabric-binding database [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
database	Show Fabric Binding Configured database
active	(Optional) Activated Fabric Bindings
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range
vsan1	(Optional) VSAN id
<i>i1</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding efmd statistics

show fabric-binding efmd statistics [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
efmd	Exchange Fabric Membership Data
statistics	EFMD protocol statistics
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding fip

show fabric-binding fip

Syntax Description

show	Show running system information
fabric-binding	Fabric Binding configuration
fip	Display the enabled FIP

Command Mode

- /exec

show fabric-binding statistics

show fabric-binding statistics [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
statistics	Statistics of Fabric Binding
vsan	(Optional) VSAN Id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding status

show fabric-binding status [vsan <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
status	Fabric binding Status
vsan	(Optional) VSAN Id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fabric-binding violations

show fabric-binding violations [last <i0>]

Syntax Description

show	Show running system information
fabric-binding	Show Fabric Binding
violations	Violations of Fabric Binding policies
last	(Optional) Latest n violations
<i>i0</i>	(Optional) Violation number

Command Mode

- /exec

show fabric database dci

```
show fabric database dci [ { vrf { <vrf-name> | <vrf-known-name> } [ peer-id <peer-ip-address> ] [ detail ]
} ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
peer-id	(Optional) management ip address of peer
<i>peer-ip-address</i>	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information

Command Mode

- /exec

show fabric database host

```
show fabric database host [ detail ] [ { vni <vni-id> } | { dot1q <vlan-id> } ]
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Host to profile mapping
detail	(Optional) Show hosts and interfaces
vni	(Optional) Virtual Network Identifier
<i>vni-id</i>	(Optional)
dot1q	(Optional) Dot1Q Encapsulation
<i>vlan-id</i>	(Optional)

Command Mode

- /exec

show fabric database host statistics

show fabric database host statistics

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics - Mostly shows non-zero values

Command Mode

- /exec

show fabric database host summary

show fabric database host summary

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
summary	Summary

Command Mode

- /exec

show fabric database profile-map

```
show fabric database profile-map { global | [ <id> | interface <interface-id> ] }
```

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
profile-map	Profile Map
global	Global profile (apply to all interfaces)
<i>id</i>	(Optional) Profile Map ID
interface	(Optional) Specified interface to display
<i>interface-id</i>	(Optional) Name of interface

Command Mode

- /exec

show fabric database static-host

show fabric database static-host

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
static-host	Configured Static Hosts

Command Mode

- /exec

show fabric database statistics

show fabric database statistics [type { network | profile | cabling | partition | bl-dci | host }]

Syntax Description

show	Show running system information
fabric	Fabric
database	Show Fabric Database
statistics	Show 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
host	(Optional) Host

Command Mode

- /exec

show fabric forwarding host-db

show fabric forwarding host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
host-db	Host Database info
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

show fabric forwarding ip local

```
show fabric forwarding ip { local-host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ <ip-prefix> ] }
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ip	Display IP information
local-host-db	HMM Local Host Database
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>ip-prefix</i>	(Optional) IP prefix in CIDR format

Command Mode

- /exec

show fabric forwarding ipv6 local

```
show fabric forwarding ipv6 { local-host-db [ { vrf { <vrf-name> | <vrf-known-name> | all } } ] [ <ipv6-prefix> ] }
```

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ipv6	Display IPv6 information
local-host-db	HMM Local Host Database
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

show fabric multicast globals

show fabric multicast globals

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
globals	show the global settings

Command Mode

- /exec

show fabric multicast ipv4 l2 vni

show fabric multicast { ipv4 | ipv6 } { l2-mroute } vni { <vni-id> | all }

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
l2-mroute	display l2-mroute status
vni	Virtual Network Identifier
<i>vni-id</i>	VNI number
all	Display all L2 VNI NGMVPN is aware of

Command Mode

- /exec

show fabric multicast statistics

show fabric multicast statistics

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
statistics	Show statistics

Command Mode

- /exec

show fabric multicast vrf

show fabric multicast vrf [{ <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of

Command Mode

- /exec

show fabric switch information

show fabric switch information [vsan <i0>]

Syntax Description

show	Show running system information
fabric	Show Fabric Information
switch	Show switch details.
information	Show switch model, version and other details
vsan	(Optional) VSAN id
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fc2 bind

show fc2 bind

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
bind	show fc2 socket bindings

Command Mode

- /exec

show fc2 bind

show fc2 bind

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
bind	show fc2 socket bindings

Command Mode

- /exec

show fc2 classf

show fc2 classf

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
classf	show fc2 classf sessions

Command Mode

- /exec

show fc2 classf

show fc2 classf

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
classf	show fc2 classf sessions

Command Mode

- /exec

show fc2 exchange

show fc2 exchange

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchange	show fc2 active exchanges

Command Mode

- /exec

show fc2 exchange

show fc2 exchange

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchange	show fc2 active exchanges

Command Mode

- /exec

show fc2 exchresp

show fc2 exchresp

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchresp	show fc2 active responder exchanges

Command Mode

- /exec

show fc2 exchresp

show fc2 exchresp

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchresp	show fc2 active responder exchanges

Command Mode

- /exec

show fc2 flogi

show fc2 flogi

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
flogi	show fc2 flogi table

Command Mode

- /exec

show fc2 flogi

show fc2 flogi

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
flogi	show fc2 flogi table

Command Mode

- /exec

show fc2 nport

show fc2 nport

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
nport	show fc2 local nports

Command Mode

- /exec

show fc2 nport

show fc2 nport

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
nport	show fc2 local nports

Command Mode

- /exec

show fc2 plogi

show fc2 plogi

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi	show fc2 plogi sessions

Command Mode

- /exec

show fc2 plogi

show fc2 plogi

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi	show fc2 plogi sessions

Command Mode

- /exec

show fc2 plogi_pwwn

show fc2 plogi_pwwn

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi_pwwn	show fc2 plogi pwwn entries

Command Mode

- /exec

show fc2 plogi_pwwn

show fc2 plogi_pwwn

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi_pwwn	show fc2 plogi pwwn entries

Command Mode

- /exec

show fc2 port brief

show fc2 port brief

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters

Command Mode

- /exec

show fc2 port brief

show fc2 port brief

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters

Command Mode

- /exec

show fc2 port drops

show fc2 port drops

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters

Command Mode

- /exec

show fc2 port drops

show fc2 port drops

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters

Command Mode

- /exec

show fc2 port state

show fc2 port state

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
state	display port state history

Command Mode

- /exec

show fc2 port state

show fc2 port state

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
state	display port state history

Command Mode

- /exec

show fc2 socket

show fc2 socket

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socket	show fc2 active sockets

Command Mode

- /exec

show fc2 socket

show fc2 socket

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socket	show fc2 active sockets

Command Mode

- /exec

show fc2 sockexch

show fc2 sockexch

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
sockexch	show fc2 active exchanges for each socket

Command Mode

- /exec

show fc2 sockexch

show fc2 sockexch

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
sockexch	show fc2 active exchanges for each socket

Command Mode

- /exec

show fc2 socknotify

show fc2 socknotify

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknotify	show fc2 local nport plogi/logo notifications per each socket

Command Mode

- /exec

show fc2 socknotify

show fc2 socknotify

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknotify	show fc2 local nport plugi/logo notifications per each socket

Command Mode

- /exec

show fc2 socknport

show fc2 socknport

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknport	show fc2 local nports per each socket

Command Mode

- /exec

show fc2 socknport

show fc2 socknport

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknport	show fc2 local nports per each socket

Command Mode

- /exec

show fc2 vsan

show fc2 vsan

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
vsan	show fc2 vsan table

Command Mode

- /exec

show fc2 vsan

show fc2 vsan

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
vsan	show fc2 vsan table

Command Mode

- /exec

show fcalias

```
show fcalias [ [ name <s0> ] [ [ pending ] [ vsan <i0> ] ] ]
```

Syntax Description

show	Show running system information
fcalias	Fcalias show commands
name	(Optional) Show members of a specified fcalias
<i>s0</i>	(Optional) Enter the name of fcalias
pending	(Optional) Show members of a specified fcalias in session
vsan	(Optional) Show aliases belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcdomain

show fcdomain

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information

Command Mode

- /exec

show fcdomain address-allocation

show fcdomain address-allocation [{ cache | vsan <i0> }]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
address-allocation	Show statistics for the fcid allocation
cache	(Optional) Show cache content for the fcid allocation
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain allowed

show fcdomain allowed [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
allowed	Show list of allowed domain IDs
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain domain-list

show fcdomain domain-list [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
domain-list	Show list of domain IDs granted by the principal sw
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain fcid persistent

```
show fcdomain fcid persistent [ { unused [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
fcid	Show persistent FCIDs (across reboot)
persistent	Show persistent FCIDs (across reboot)
unused	(Optional) Show unused persistent FCIDs (across reboot)
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id
vsan1	(Optional) Specify the vsan id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain pending-diff

```
show fcdomain pending-diff [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
pending-diff	Show the difference between running and pending configuration
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain pending

show fcdomain pending [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
pending	Show the pending configuration
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain session-status

show fcdomain session-status [vsan <i0>]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
session-status	Show the last action performed by fcdomain
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain statistics

show fcdomain statistics [{ interface <i0> [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
statistics	Show the statistics of fcdomain
interface	(Optional) Specify the fibre channel interface
<i>i0</i>	(Optional)
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id
vsan1	(Optional) Specify the vsan id
<i>i1</i>	(Optional) VSAN id

Command Mode

- /exec

show fcdomain status

show fcdomain status

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
status	Show all vsan-independent information in fcdomain

Command Mode

- /exec

show fcdomain vsan

show fcdomain vsan <i0>

Syntax Description

show	Show running system information
fcdomain	Show fcdomain information
vsan	Specify the vsan id
<i>i0</i>	VSAN id

Command Mode

- /exec

show fcdroplateny

show fcdroplateny [{ network | switch }]

Syntax Description

show	Show running system information
fcdroplateny	show switch or network latency
network	(Optional) network latency in milliseconds
switch	(Optional) switch latency in milliseconds

Command Mode

- /exec

show fcid-allocation area

show fcid-allocation area

Syntax Description

show	Show running system information
fcid-allocation	Show information about fcid-allocation list
area	Show information about fcid-allocation list

Command Mode

- /exec

show fcid-allocation company-id-from-wwn

show fcid-allocation company-id-from-wwn <wwn0>

Syntax Description

show	Show running system information
fcid-allocation	Show information about fcid-allocation list
company-id-from-wwn	Company id (or OUI).
<i>wwn0</i>	Enter WWN to extract company_id/oui

Command Mode

- /exec

show fcns database

```
show fcns database [ { detail [ vsan <i0> ] | domain <i1> [ { detail [ vsan1 <i2> ] | vsan2 <i3> } ] | fcid <fcid4>
{ detail2 vsan3 <i5> | vsan4 <i6> } | local [ { detail1 [ vsan5 <i7> ] | vsan6 <i8> } ] | npv [ { detail1 [ vsan7
<i9> ] | node_wwn <wwn10> [ vsan8 <i11> ] | vsan9 <i12> } ] | proxy-host { detail4 vsan10 <i13> | vsan11
<i14> } | vsan12 <i15> } ]
```

Syntax Description

show	Show running system information
fcns	show name server tables
database	show name server database
detail	(Optional) show all objects in each entry
vsan	(Optional) show local entries for the given vsan(s)
<i>i0</i>	(Optional) VSAN id range
domain	(Optional) show entries in a domain
<i>i1</i>	(Optional) domain-id
detail	(Optional) show all objects in each entry
vsan1	(Optional) show entries for a domain for the given vsan(s)
<i>i2</i>	(Optional) VSAN id range
vsan2	(Optional) show entries for a domain for the given vsan(s)
<i>i3</i>	(Optional) VSAN id range
fcid	(Optional) show entry for the given port
<i>fcid4</i>	(Optional) enter FCID
detail2	(Optional) show all objects in the entry
vsan3	(Optional) show port entry for the given vsan
<i>i5</i>	(Optional) VSAN id
vsan4	(Optional) show port entry for the given vsan
<i>i6</i>	(Optional) VSAN id
local	(Optional) show local entries
detail1	(Optional) show all objects in each entry
vsan5	(Optional) show local entries for the given vsan(s)

<i>i7</i>	(Optional) VSAN id range
vsan6	(Optional) show local entries for the given vsan(s)
<i>i8</i>	(Optional) VSAN id range
npv	(Optional) show n-port virtualization (npv) entries
detail1	(Optional) show all objects in each entry
vsan7	(Optional) show npv entries for the given vsan(s)
<i>i9</i>	(Optional) VSAN id range
node_wwn	(Optional) show end-devices logged in via an npv node
<i>wwn10</i>	(Optional) Node WWN of NPV
vsan8	(Optional) show npv entries for the given vsan(s)
<i>i11</i>	(Optional) VSAN id range
vsan9	(Optional) show npv entries for the given vsan(s)
<i>i12</i>	(Optional) VSAN id range
proxy-host	(Optional) show entry for the proxy-host
detail4	(Optional) show all objects in the entry
vsan10	(Optional) show port entry for the given vsan
<i>i13</i>	(Optional) VSAN id
vsan11	(Optional) show port entry for the given vsan
<i>i14</i>	(Optional) VSAN id
vsan12	(Optional) show entries for the given vsan(s)
<i>i15</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcns statistics

```
show fcns statistics [ { detail [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
fcns	show name server tables
statistics	show name server statistics
detail	(Optional) show detailed statistics
vsan	(Optional) show detailed statistics for the vsan(s)
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) show statistics for the vsan(s)
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show fcoe-npv issu-impact

show fcoe-npv issu-impact

Syntax Description

show	Show running system informationrunning system information
fcoe-npv	feature fcoe-npv
issu-impact	Show feature fcoe-npv config issues if attempting to do non-disruptive ISSU

Command Mode

- /exec

show fcoe

show fcoe

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters

Command Mode

- /exec

show fcoe database

show fcoe database

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
database	Show FCOE database

Command Mode

- /exec

show fcs database

show fcs database [vsan <i0>]

Syntax Description

show	Show running system information
database	Show local database of FCS
vsan	(Optional) Show local database for a VSAN
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs ie

```
show fcs ie [ { nwwn <wwn0> vsan <i1> | vsan1 <i2> } ]
```

Syntax Description

show	Show running system information
ie	Show Interconnect Element Objects Information
nwwn	(Optional) IE WWN
<i>wwn0</i>	(Optional) IE WWN
vsan	(Optional) VSAN id of IE
<i>i1</i>	(Optional) VSAN id
vsan1	(Optional) VSAN id of IE
<i>i2</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs platform

```
show fcs platform { name <s0> vsan <i0> | vsan1 <i1> }
```

Syntax Description

show	Show running system information
platform	Show Platform Objects Information
name	Platform Name
<i>s0</i>	Platform name string
vsan	VSAN id of the platform
<i>i0</i>	VSAN id
vsan1	VSAN id of the platform
<i>i1</i>	VSAN range

Command Mode

- /exec

show fcs port

```
show fcs port { pwwn <wwn0> vsan <i1> | vsan1 <i2> }
```

Syntax Description

show	Show running system information
port	Show Port Objects Information
pwwn	Port WWN
<i>wwn0</i>	Port WWN
vsan	VSAN id of the port
<i>i1</i>	VSAN id
vsan1	VSAN id of the port
<i>i2</i>	VSAN range

Command Mode

- /exec

show fcs statistics

show fcs statistics [vsan <i0>]

Syntax Description

show	Show running system information
statistics	Show statistics for FCS packets.
vsan	(Optional) Show statistics for a VSAN
<i>i0</i>	(Optional) VSAN range

Command Mode

- /exec

show fcs vsan

show fcs vsan

Syntax Description

show	Show running system information
vsan	Show list of all the VSANs and plat-check-mode for each

Command Mode

- /exec

show fctimer

show fctimer

Syntax Description

show	show running system information
fctimer	show Fibre Channel timers

Command Mode

- /exec

show fctimer D_S_TOV

show fctimer D_S_TOV [vsan <i0>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
D_S_TOV	D_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer E_D_TOV

```
show fctimer E_D_TOV [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
E_D_TOV	E_D_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer F_S_TOV

show fctimer F_S_TOV [vsan <i0>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
F_S_TOV	F_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer R_A_TOV

```
show fctimer R_A_TOV [ vsan <i0> ]
```

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
R_A_TOV	R_A_TOV in milliseconds
vsan	(Optional) Specify VSAN id
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show fctimer last action status

show fctimer last action status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
last	Show the status of the last cfs commit/abort operation
action	Show the status of the last cfs commit/abort operation
status	Show the status of the last cfs commit/abort operation

Command Mode

- /exec

show fctimer pending-diff

show fctimer pending-diff

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending-diff	Show the difference between pending database and running config

Command Mode

- /exec

show fctimer pending

show fctimer pending

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending	Show the status of pending fctimer commands

Command Mode

- /exec

show fctimer session status

show fctimer session status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
session	Show the state of fctimer cfs session
status	Show the status of the last cfs commit/abort operation

Command Mode

- /exec

show fctimer status

show fctimer status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
status	cfs distribution is enabled or disabled

Command Mode

- /exec

show fctimer vsan

show fctimer vsan <i0>

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
vsan	Specify VSAN id
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi database

show fdmi database

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database

Command Mode

- /exec

show fdmi database detail

show fdmi database detail

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry

Command Mode

- /exec

show fdmi database detail hba-id vsan

show fdmi database detail hba-id <wwn0> vsan <i1>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry
hba-id	show entries for the given HBA id
<i>wwn0</i>	HBA id
vsan	show HBA id the given vsan
<i>i1</i>	VSAN id

Command Mode

- /exec

show fdmi database detail vsan

show fdmi database detail vsan <i0>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
detail	show all objects in each entry
vsan	show entries for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi database vsan

show fdmi database vsan <i0>

Syntax Description

show	Show running system information
fdmi	Show fdmi information
database	show fdmi database
vsan	show entries for the given vsan(s)
<i>i0</i>	VSAN id range

Command Mode

- /exec

show fdmi suppress-updates

show fdmi suppress-updates

Syntax Description

show	Show running system information
fdmi	Show fdmi information
suppress-updates	Show vsans on which updates are suppressed

Command Mode

- /exec

show feature-set

show feature-set [<name>] [<id>]

Syntax Description

show	Show running system information
feature-set	Show feature set status
<i>name</i>	(Optional) feature-set name
<i>id</i>	(Optional) feature-set id

Command Mode

- /exec

show feature-set services

show feature-set services <s0>

Syntax Description

show	Show running system information
feature-set	Show feature set status
services	Show services in feature set

Command Mode

- /exec

show feature

show feature

Syntax Description

show	Show running system information
feature	Show feature status

Command Mode

- /exec

show fex interface priority-flow-control

```
show fex { <fexnum> interface | interface [ <if_list> ] } priority-flow-control [ detail ]
```

Syntax Description

show	commands to display
fex	Show FEX information
<i>fexnum</i>	FEX number
interface	Interface for displaying PFC information
<i>if_list</i>	(Optional) List of interfaces
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics

Command Mode

- /exec

show fhrp

show fhrp [<intf>]

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
<i>intf</i>	(Optional) Specify a single interface

Command Mode

- /exec

show fhrp verbose

show fhrp [<intf>] verbose

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
<i>intf</i>	(Optional) Specify a single interface
verbose	Display detailed information

Command Mode

- /exec

show file

show file <uri0> [cksum | md5sum | sha256sum | sha512sum]

Syntax Description

show	Show running system information
file	Displays content of files
<i>uri0</i>	Filename to be displayed
cksum	(Optional) Displays CRC checksum for a file
md5sum	(Optional) Displays MD5 checksum for a file
sha256sum	(Optional) Displays SHA256 checksum for a file
sha512sum	(Optional) Displays SHA512 checksum for a file

Command Mode

- /exec

show filter details

show filter <seqno> details

Syntax Description

filter	Display filter information
<i>seqno</i>	Sequence number
details	Show filter detail

Command Mode

- /exec/flow-path-tracer

show filter summary

show filter { summary }

Syntax Description

filter	Display filter information
summary	Show filter summary

Command Mode

- /exec/flow-path-tracer

show fips status

show fips status

Syntax Description

show	Show running system information
fips	Show if FIPS mode is enabled or disabled
status	Whether FIPS mode is enabled or disabled

Command Mode

- /exec

show flogi auto-area-list

show flogi auto-area-list

Syntax Description

show	Show running system information
flogi	Show information about FLOGI
auto-area-list	Show list of ouis that are allocated area.

Command Mode

- /exec

show flogi database

```
show flogi database [ { details | [ fcid <fcid0> ] [ details ] | [ interface <if0> ] [ details ] | [ vsan <i1> ] [ details ] } ]
```

Syntax Description

show	Show running system information
flogi	Show information about FLOGI
database	Show information about FLOGI sessions
details	(Optional) details: shows fcid allocation details
fcid	(Optional) fcid: enter the fcid to be matched
<i>fcid0</i>	(Optional) Enter fcid
details	(Optional) details: shows fcid allocation details
interface	(Optional) interface id: enter the interface id of the port
<i>if0</i>	(Optional) Enter interface id
details	(Optional) details: shows fcid allocation details
vsan	(Optional) vsan id: Enter the vsan number
<i>i1</i>	(Optional) Enter vsan
details	(Optional) details: shows fcid allocation details

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [input | output]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
input	(Optional) Show ingress cache entries
output	(Optional) Show egress cache entries

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [input | output]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
input	(Optional) Show ingress cache entries
output	(Optional) Show egress cache entries

Command Mode

- /exec

show flow event

```
show flow event [ name ] [ { <eventname> } ]
```

Syntax Description

show	Show running system information
flow	Show Analytics information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific Event
<i>eventname</i>	(Optional) Specify a event

Command Mode

- /exec

show flow exporter

show flow exporter [name] [<exporter>]

Syntax Description

show	Show running system information
flow	Show NetFlow information
exporter	Show NetFlow Exporter Configuration and Statistics
name	(Optional) Show a specific Flow Exporter
<i>exporter</i>	(Optional) Specify an exporter

Command Mode

- /exec

show flow filter

show flow filter

Syntax Description

show	Show running system information
flow	Show Analytics information
filter	Show filter Configuration

Command Mode

- /exec

show flow interface

```
show flow { interface [ <intf> ] | vlan [ <vlan> ] }
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
interface	Flow interface information
<i>intf</i>	(Optional) Interface
vlan	Flow vlan information
<i>vlan</i>	(Optional) Vlan number

Command Mode

- /exec

show flow monitor

show flow monitor [name] [<monitor> [cache [detailed]]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
<i>monitor</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show flow profile

show flow profile [<profile>]

Syntax Description

show	Show running system information
flow	Show Analytics information
profile	Show profile Configuration
<i>profile</i>	(Optional) Specify a profile

Command Mode

- /exec

show flow record

```
show flow record [ name ] [ { <record> } | { netflow-original } | { netflow { protocol-port | layer2-switched
{ input } | { ipv4 | ipv6 | l2 } { original-input } } } ]
```

Syntax Description

show	Show running system information
flow	Show NetFlow information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific Flow Record
<i>record</i>	(Optional) Specify a record
netflow-original	(Optional) Traditional IPv4 input NetFlow with origin ASs
netflow	(Optional) Traditional NetFlow collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input NetFlow
input	(Optional) Input NetFlow
protocol-port	(Optional) Protocol and Ports aggregation scheme

Command Mode

- /exec

show flow rtp

show flow rtp { errors { active | history } | details } [ipv4 | ipv6]

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
errors	Show NetFlow RTP flows error information
active	Show RTP flows with active losses
history	Show RTP flows with loss history
details	Show NetFlow RTP detailed information
ipv4	(Optional) Show ipv4 RTP entries
ipv6	(Optional) Show ipv6 RTP entries

Command Mode

- /exec

show flow rtp timeout

show flow rtp timeout

Syntax Description

show	Show running system information
flow	Show NetFlow information
rtp	Real-time Transport Protocol
timeout	Show NetFlow RTP flow error monitoring timeout values

Command Mode

- /exec

show flow system

show flow system

Syntax Description

show	Show running system information
flow	Show Analytics information
system	Show system Configuration

Command Mode

- /exec

show flow timeout

show flow timeout

Syntax Description

show	Show running system information
flow	Show NetFlow information
timeout	Show NetFlow flow cache timeout values

Command Mode

- /exec

show flow tracer

show flow tracer

Syntax Description

show	Show running system information
flow	Show NetFlow information
tracer	Show packet tracer information

Command Mode

- /exec

show flow traffic-analytics

show flow traffic-analytics

Syntax Description

show	Show running system information
flow	Analytics information
traffic-analytics	Traffic analytics Configuration

Command Mode

- /exec

show flow vrf

show flow vrf [<vrf_name>]

Syntax Description

show	Show running system information
flow	Show Analytics information
vrf	Show VRF Configuration
<i>vrf_name</i>	(Optional) Specify a vrf

Command Mode

- /exec

show forwarding

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ipv4 ] [ route |
rnhdb ] [ recursive ] [ summary | [ [ detail | platform | partial | ipsg ] [ max-display-count <display_count> ]
] | [ <prefix> [ longer-prefixes ] [ detail | platform ] | <address> [ detail | platform ] |
```

Syntax Description

show	
forwarding	display fib information
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 id in hex
ipv4	(Optional) ipv4
route	(Optional) display IP routing table
ipsg	(Optional) display IPv4 IPSG routes
rnhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive	(Optional) display routes with recursive next hops
partial	(Optional) display routes with partial ECMPs
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(Optional) display single longest match route
detail	(Optional) show detailed information about the routes
platform	(Optional) one command to show pi and pd info together
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding adjacency

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ipv4 ] adjacency [ mpls ] [ lisp ] [ nve ] [ <aif> ] [ <anh> ] [ detail | stats | platform ] [ module <module> ]
```

Syntax Description

show	
forwarding	display fib information
ipv4	(Optional) ipv4
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
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
mpls	(Optional) mpls adjacency information
lisp	(Optional) LISP adjacency information
nve	(Optional) VxLAN tunnel adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next hop
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding consistency-fretta l2

show forwarding consistency-fretta l2 <module>

Syntax Description

show	Show running system information
forwarding	Forwarding information
consistency-fretta	consistency
l2	Verify l2 mac programming in the hardware
<i>module</i>	Enter module number

Command Mode

- /exec

show forwarding distribution clients

show forwarding distribution clients

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
clients	unicast client information

Command Mode

- /exec

show forwarding distribution evpn storm-control

show forwarding distribution evpn storm-control

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
evpn	evpn distribution info
storm-control	storm-control information

Command Mode

- /exec

show forwarding distribution fib-state

show forwarding distribution fib-state

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
fib-state	unicast fib state info

Command Mode

- /exec

show forwarding distribution ip igmp snooping

```
show forwarding distribution ip igmp snooping [ vlan <vlan-id> [ group [ <grpaddr> | <mac-grpaddr> ] [
source <srcaddr> ] ] ] [ detail ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	IPV4 information
igmp	MFDM IGMP information
snooping	L2 mcast snooping related information
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
<i>mac-grpaddr</i>	(Optional) Group MAC address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
detail	(Optional) Detailed display

Command Mode

- /exec

show forwarding distribution ipv6 multicast route

```
show forwarding distribution ipv6 multicast route [ table <table_id> | vrf { <vrf-name> | all } ] [ [ group {
<group> } [ source { <source> } ] ] | summary ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	display fib distribution information
ipv6	IPv6 related information
multicast	display IPv6 multicast information
route	display routing table
vrf	(Optional) display routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
all	(Optional) Display information for all VRFs
table	(Optional) table
<i>table_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	(Optional) display route counts

Command Mode

- /exec

show forwarding distribution l2 multicast

```
show forwarding distribution l2 multicast [ ip-based | mac-based ] [ [ vni <vni-id> ] | [ vlan <vlan-id> [ {
group { <grpaddr> | <v6grpaddr> } [ source { <srcaddr> | <v6srcaddr> } ] ] | destination-mac <dmac> ] ] ]
[ summary ]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
l2	L2 information
multicast	L2 multicast information
ip-based	(Optional) IPv4 based
mac-based	(Optional) MAC based
vlan	(Optional) Info specific to a vlan
<i>vlan-id</i>	(Optional) Vlan id value
vni	(Optional) Info specific to a vni
<i>vni-id</i>	(Optional) Vni id value
group	(Optional) Group specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) (G,S) specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC specific information
<i>dmac</i>	(Optional) Destination MAC address
summary	(Optional) display route counts

Command Mode

- /exec

show forwarding distribution multicast

show forwarding distribution multicast [messages]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information

Command Mode

- /exec

show forwarding distribution multicast client-ack-db

show forwarding distribution multicast client-ack-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
client-ack-db	Displays the client ack db

Command Mode

- /exec

show forwarding distribution multicast client

show forwarding distribution multicast client

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
client	Show multicast distribution client information

Command Mode

- /exec

show forwarding distribution multicast download

show forwarding distribution multicast download

Syntax Description

show	
forwarding	forwarding information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
download	show download queues

Command Mode

- /exec

show forwarding distribution multicast mfib

```
show forwarding distribution multicast { mfib-txlist [ vrf <vrf-name> ] | mfib-buffers }
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
mfib-txlist	Show MFIB transmission-list information
vrf	(Optional) Specify VRF
<i>vrf-name</i>	(Optional) Specify VRF name
mfib-buffers	Show MFIB route buffer information

Command Mode

- /exec

show forwarding distribution multicast outgoing-interface-list L2_PRIME

show forwarding distribution multicast outgoing-interface-list L2_PRIME

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
outgoing-interface-list	Outgoing interface list
L2_PRIME	Layer 2 oiflist
<i>index</i>	(Optional) Outgoing Interface List index

Command Mode

- /exec

show forwarding distribution multicast resp-ack-timer-msgs

show forwarding distribution multicast resp-ack-timer-msgs

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
resp-ack-timer-msgs	show response ack timers for MFDM

Command Mode

- /exec

show forwarding distribution multicast route

```
show forwarding distribution [ ip ] multicast route [ table <id> | vrf { <vrf_name> | <vrf-known-name> | all
} ] [ [ group { <gaddr> [ <mask> ] | <gprefix> } [ source { <saddr> [ <smask> ] | <sprefix> } ] ] | summary
]
```

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	(Optional) IPV4 information
multicast	Multicast information
route	Multicast route related information
vrf	(Optional) Specify VRF
<i>vrf_name</i>	(Optional) Specify VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier
group	(Optional) IPv4 Multicast Group specific
<i>gaddr</i>	(Optional) IPv4 Multicast Group Address
<i>mask</i>	(Optional) mask for group ip address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
source	(Optional) IPv4 Multicast Source specific
<i>saddr</i>	(Optional) IPv4 Source Address
<i>smask</i>	(Optional) mask for group ip address
<i>sprefix</i>	(Optional) IPv4 Multicast Source Prefix
summary	(Optional) display route counts

Command Mode

- /exec

show forwarding distribution multicast route sr um-nat

show forwarding distribution multicast route sr um-nat

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
route	Multicast route related information
sr	sr related information
um-nat	UM NAT route translation information

Command Mode

- /exec

show forwarding distribution multicast sr hash-db

show forwarding distribution multicast sr hash-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
sr	Service reflect rules
hash-db	Hash database

Command Mode

- /exec

show forwarding distribution multicast unique-v6sources

show forwarding distribution multicast unique-v6sources

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
unique-v6sources	Multicast unique v6 sources related information

Command Mode

- /exec

show forwarding distribution multicast vxlan dsg-db

show forwarding distribution multicast vxlan dsg-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
dsg-db	delivery group/source db

Command Mode

- /exec

show forwarding distribution multicast vxlan mdt-db

show forwarding distribution multicast vxlan mdt-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
mdt-db	Data MDT database

Command Mode

- /exec

show forwarding distribution multicast vxlan mdt-db pss

show forwarding distribution multicast vxlan mdt-db pss

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
mdt-db	Data MDT database
pss	Data MDT database pss

Command Mode

- /exec

show forwarding distribution multicast vxlan vlan-db

show forwarding distribution multicast vxlan vlan-db

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
vxlan	vxlan
vlan-db	Vlan database

Command Mode

- /exec

show forwarding distribution nve overlay-vlan

show forwarding distribution nve overlay-vlan

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
nve	nve distribution info
overlay-vlan	overlay-vlan adjacency info

Command Mode

- /exec

show forwarding distribution peer-id

show forwarding distribution peer-id [vpls | otv]

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
peer-id	HW Peer-id allocation info
vpls	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
otv	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show forwarding distribution srv6 local-sid bd-mapping

show forwarding distribution srv6 local-sid bd-mapping

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
srv6	Srv6 related
local-sid	Local SID
bd-mapping	Local Sid to BD mappings

Command Mode

- /exec

show forwarding distribution trace

show forwarding distribution trace

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
trace	unicast trace information

Command Mode

- /exec

show forwarding ecmp

```
show forwarding ecmp [ { [ vrf { <vrf-name> | <vrf-known-name> } ] lisp } ] [ platform ] [ module <module> ] [ partial ]
```

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
lisp	(Optional) Show information about LISP ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
<i>module</i>	(Optional) slot number
partial	(Optional) Show partially installed ECMPs

Command Mode

- /exec

show forwarding ecmp recursive

```
show forwarding ecmp recursive [ platform ] [ srv6 ] [ max-display-count <display_count> ] [ module <module> ] [ partial ]
```

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
recursive	Show information about recursive ECMPs
platform	(Optional) one command to show pi and pd info together
srv6	(Optional) Show information about SRV6 encap
module	(Optional) slot
partial	(Optional) Show partially installed ECMPs
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding inconsistency

```
show forwarding [ ip | ipv4 ] [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ]
[ module { <module> | all_modules } ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show forwarding interfaces

show forwarding interfaces [module <module>]

Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info

Command Mode

- /exec

show forwarding ipv6

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] ipv6 [ route | rnhdb
] [ recursive ] [ detail | summary | platform | partial | <prefix> [ longer-prefixes ] [ detail | platform ] | <address>
[ detail | platform ] | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh>
| drop | glean | punt } ] [ max-display-count <display_count> ] [ module <module> | vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ] +
```

Syntax Description

show	
forwarding	display fib information
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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table id in hex
ipv6	ipv6
route	(Optional) display IP routing table
platform	(Optional) one command to show pi and pd info together
rnhdb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive	(Optional) display routes with recursive next hops
detail	(Optional) show detailed information about the routes
summary	(Optional) display route counts
partial	(Optional) display routes with partial ECMPs
longer-prefixes	(Optional) display longer prefixes
interface	(Optional) display routes with this output i/f only
<i>interface</i>	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display adjacency information

<i>aif</i>	(Optional) adjacency output interface
drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
<i>module</i>	(Optional) slot number
max-display-count	(Optional) displays max # of routes
<i>display_count</i>	(Optional) count

Command Mode

- /exec

show forwarding ipv6 adjacency

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 adjacency [ mpls ] [ nve ] [ <aif> ] [ <anh> ] [ detail | stats | platform ] [ module <module> ]
```

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
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
mpls	(Optional) mpls adjacency information
nve	(Optional) nve adjacency information
<i>aif</i>	(Optional) adjacency output interface
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding ipv6 inconsistency

```
show forwarding ipv6 [ unicast ] inconsistency [ suppress-transient ] [ vrf { <vrf-name> | all_vrfs } ] [ module
{ <module> | all_modules } ]
```

Syntax Description

show	show
forwarding	Display Forwarding Information
ipv6	ipv6
unicast	(Optional) unicast
inconsistency	route inconsistency check
suppress-transient	(Optional) Suppress Transient state
vrf	(Optional) check routes for a specific VRF
<i>vrf-name</i>	(Optional) VRF name
module	(Optional) check routes for a specific module
<i>module</i>	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's

Command Mode

- /exec

show forwarding ipv6 multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <tab_id> ] ipv6 multicast route { [
group { <group> | <group_addr> } [ source { <source> | <source_addr> } ] | module <module> | vrf {
<vrf-name> | all } ] + | summary [ module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + }
```

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
multicast	IPV6 related Multicast information
route	Multicast route information
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tab_id</i>	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding kvfib cache on

show forwarding kvfib cache { on | off }

Syntax Description

show	
forwarding	fib information
kvfib	kvfib
cache	cache
on	set variable
off	reset variable

Command Mode

- /exec

show forwarding kvfib file debug

show forwarding kvfib file debug

Syntax Description

show	
forwarding	forwarding
kvfib	kvfib
file	file
debug	debug

Command Mode

- /exec

show forwarding kvfib socket descriptor

show forwarding kvfib socket descriptor

Syntax Description

show	
forwarding	forwarding
kvfib	kvfib
socket	socket
descriptor	descriptor

Command Mode

- /exec

show forwarding l2 multicast

```
show forwarding l2 multicast { [ { vlan <vlan-id> [ { group <grpaddr> source <srcaddr> } | { group
<v6grpaddr> source <v6srcaddr> } | destination-mac <dstmac> ] } ] } [ vdc <vdc-id> ] [ module <num> ]
```

Syntax Description

show	Show running system information
forwarding	Forwarding information
l2	L2 related information
multicast	Multicast related information
vlan	(Optional) Information Specific to a Vlan
<i>vlan-id</i>	(Optional) Vlan id value
group	(Optional) (S,G) specific information
<i>grpaddr</i>	(Optional) Group address
source	(Optional) source specific information
<i>srcaddr</i>	(Optional) Source address
destination-mac	(Optional) Destination MAC address
<i>dstmac</i>	(Optional) Ethernet MAC address
vdc	(Optional) VDC
<i>vdc-id</i>	(Optional) VDC id
module	(Optional) Slot
<i>num</i>	(Optional) Slot number

Command Mode

- /exec

show forwarding l2vpn label vpls

show forwarding l2vpn label [<label_id>] vpls [module module]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
<i>label_id</i>	(Optional) VC label
vpls	VPLS
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn label xconnect

show forwarding l2vpn label [<label_id>] xconnect [module module]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
<i>label_id</i>	(Optional) VC label
xconnect	xconnect or VPWS
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn vlan

```
show forwarding l2vpn vlan [ <vlan_id> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
vlan	vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding mpls

```
show forwarding mpls [ [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ] [ table <table_id> ] [ [ label-space <label-space-id> ] ] [ label <label-id> | <prefix> | <v6prefix> ] [ stats ] [ module <module> ] [ implicit ] [ platform ]
```

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
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-id</i>	(Optional) mpls label value
<i>prefix</i>	(Optional) Labels for single exact match route
module	(Optional) slot
<i>module</i>	(Optional) slot number
stats	(Optional) Label Statistics
implicit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
platform	(Optional) Display platform information

Command Mode

- /exec

show forwarding mpls drop-stats

show forwarding mpls drop-stats [platform | label0-fwd-stats]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
drop-stats	MPLS dropped packets
platform	(Optional) command to display stats per chip
label0-fwd-stats	(Optional) command to display stats for label0

Command Mode

- /exec

show forwarding mpls ecmp

show forwarding mpls ecmp [module <module>] [platform]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
ecmp	mpls ecmps
module	(Optional) slot
<i>module</i>	(Optional) slot number
platform	(Optional) show pd info

Command Mode

- /exec

show forwarding mpls eompls

```
show forwarding mpls eompls [ peers { <addr> | all } ]
```

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwarding
eompls	eompls
peers	(Optional) nve peers
<i>addr</i>	(Optional) peer ipaddress
all	(Optional) Display peer info for all peers

Command Mode

- /exec

show forwarding mpls eompls ir

show forwarding mpls eompls ir { vlan { all | <vlan_id> } | peer { all | <peer_ip> } }

Syntax Description

show	Show running system information
forwarding	Forwarding information
mpls	mpls
eompls	eompls
ir	ir
vlan	vlangs all
all	all
<i>vlan_id</i>	vlan-id
peer	peers-all
all	all
<i>peer_ip</i>	show detailed info for peer

Command Mode

- /exec

show forwarding mpls option_b

show forwarding mpls option_b [label <label>] [module <module>] [platform]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
option_b	Option B
label	(Optional) mpls labels
<i>label</i>	(Optional) mpls label value
module	(Optional) slot
<i>module</i>	(Optional) slot number
platform	(Optional) show pd info

Command Mode

- /exec

show forwarding mpls srte module

show forwarding mpls srte module [<module>]

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwarding
srte	SR Traffic Engineering
module	slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding mpls summary

show forwarding mpls summary [module <module>]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
summary	summary
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding multicast-sr loopback interface

show forwarding multicast-sr loopback interface

Syntax Description

show	
forwarding	display fib information
multicast-sr	multicast service reflect information
interface	loopback interface
loopback	loopback interface

Command Mode

- /exec

show forwarding multicast-sr mac-trap-db

show forwarding multicast-sr mac-trap-db

Syntax Description

show	Show running system information
forwarding	display platform fib information
multicast-sr	multicast service reflect information
mac-trap-db	display internal mac-trap db

Command Mode

- /exec

show forwarding multicast outgoing-interface-list

```
show forwarding multicast outgoing-interface-list { L2 | L3 | vxlan-encap | vxlan-ir-dci-encap | mvpn } [
platform ] [ module <module> ] [ <index> ]
```

Syntax Description

show	
forwarding	Forwarding information
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
L2	Layer 2 oiflist
L3	Layer 3 oiflist
vxlan-encap	vxlan-encap oiflist
vxlan-ir-dci-encap	vxlan-ir-dci-encap oiflist
mvpn	MVPN oiflist
platform	(Optional) Display PI/PD
module	(Optional) slot
<i>module</i>	(Optional) slot number
<i>index</i>	(Optional) Outgoing Interface List Index

Command Mode

- /exec

show forwarding multicast pvlan replicated-routes

```
show forwarding multicast pvlan replicated-routes [ { group <group_addr> [ [ source <source_addr> [ vlan
<vlan_id> ] ] | vlan <vlan_id> ] | vlan <vlan_id> } ]
```

Syntax Description

show	
forwarding	display fib information
multicast	Multicast IPv4 information
pvlan	PVLAN information
replicated-routes	Display replicated route database
group	(Optional) group address
<i>group_addr</i>	(Optional) group address
source	(Optional) source address
<i>source_addr</i>	(Optional) source address
vlan	(Optional) vlan id
<i>vlan_id</i>	(Optional) vlan id

Command Mode

- /exec

show forwarding multicast route

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | all } | table <table_id> ] [ ipv4 ] multicast route [
platform ] { [ group { <gaddr> [ <mask> ] | <gprefix> } [ source { <saddr> [ <smask> ] | <sprefix> } ] |
module <module> | vrf { <vrf-name> | <vrf-known-name> | all } ] + | summary [ module <module> | vrf {
<vrf-name> | <vrf-known-name> | all } ] + }
```

Syntax Description

show	
forwarding	Forwarding information
ipv4	(Optional) ipv4
multicast	Multicast IPv4 information
route	Mcast route information
platform	(Optional) Platform Details
table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vrf	(Optional) display info per VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
group	(Optional) Multicast IPv4 Group specific info
<i>gaddr</i>	(Optional) Multicast IPv4 Group Address
<i>mask</i>	(Optional) Multicast IPv4 Group Address mask
<i>gprefix</i>	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source specific info
<i>saddr</i>	(Optional) Multicast IPv4 Source Address
<i>smask</i>	(Optional) Multicast IPv4 Source Address mask
<i>sprefix</i>	(Optional) Multicast IPv4 Source Prefix
summary	display route counts
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding nve l2 ingress-replication-peers

show forwarding nve l2 ingress-replication-peers [ipv4 <peer_ip> | ipv6 <v6_peer_ip>] +

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l2	L2 info
ingress-replication-peers	ingress replication peer info
ipv4	(Optional) ipv4 peer
<i>peer_ip</i>	(Optional) show detailed info of a peer
ipv6	(Optional) ipv6 peer

Command Mode

- /exec

show forwarding nve l3 adjacency tunnel

show forwarding nve l3 adjacency tunnel { <tunnel_id> | all } [bd <bd_id> | detail | module <module> | table <table_id>]

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
tunnel	VXLAN tunnel
<i>tunnel_id</i>	tunnel_id
all	show adjacency info for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id

Command Mode

- /exec

show forwarding nve l3 adjacency v6-tunnel

show forwarding nve l3 adjacency v6-tunnel { <peer-ip> | all } [bd <bd_id> | detail | module <num> | table <table_id>]

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
v6-tunnel	VXLAN V6 tunnel
all	Show adjacency for all peers
bd	(Optional) BD info
<i>bd_id</i>	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number
table	(Optional) Tenant table-id
<i>table_id</i>	(Optional) tenant table-id

Command Mode

- /exec

show forwarding nve l3 ecmp

show forwarding nve l3 ecmp

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
ecmp	nve ecmp info

Command Mode

- /exec

show forwarding nve l3 peers

show forwarding nve l3 peers [peers <peer_id> | tunnel <tunnel_id> | detail | module <module>] +

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l3	Layer 3
peers	nve peers
<i>peer_id</i>	(Optional) nve peer-id
tunnel	(Optional) VXLAN tunnel
<i>tunnel_id</i>	(Optional) Unique identifier for the tunnel
detail	(Optional) Show detailed information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding nve underlay-interfaces

show forwarding nve underlay-interfaces

Syntax Description

show	show
forwarding	display fib information
nve	NVE related info
underlay-interfaces	underlay interfaces info

Command Mode

- /exec

show forwarding otv

show forwarding otv <intf> [peer <peer-id>] [module <module>]

Syntax Description

show	
forwarding	fib information
otv	overlay-transport-virtualization
<i>intf</i>	overlay interface
peer	(Optional) overlay peer
<i>peer-id</i>	(Optional) overlay peer-id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding otv ipv6 multicast route

```
show forwarding otv ipv6 multicast route [ vlan <vlan_id> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	over-the-top virtualization
ipv6	ipv6
multicast	Multicast IPv6 information
route	Mcast route information
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding otv multicast outgoing-interface-list

show forwarding otv multicast outgoing-interface-list

Syntax Description

show	
forwarding	Forwarding information
otv	over-the-top virtualization
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info

Command Mode

- /exec

show forwarding otv multicast route

```
show forwarding otv multicast route [ [ vlan <vlan-id> ] ] [ softwarebd <software-bd> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	over-the-top virtualization
multicast	Multicast IPv4 information
route	Meast route information
vlan	(Optional) vlan
<i>vlan-id</i>	(Optional) vlan id
softwarebd	(Optional) Software Bridge Domain
<i>software-bd</i>	(Optional) Software bd
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding otv vlan

```
show forwarding otv vlan [ <vlan_id> ] [ module <module> ]
```

Syntax Description

show	show
forwarding	forwarding
otv	otv
vlan	vlan
<i>vlan_id</i>	(Optional) vlan id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding proactive-cc inconsistencies

show forwarding proactive-cc inconsistencies [all]

Syntax Description

show	show
forwarding	Display Forwarding Information
proactive-cc	Proactive Consistency Checker
inconsistencies	Display latest CC run inconsistencies
all	(Optional) Display all previous CC run's inconsistencies

Command Mode

- /exec

show forwarding security group-tag

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> | vlan <vlan_id> ] [
ipv4 ] security group-tag [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] +
```

Syntax Description

show	
forwarding	display fib information
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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
vlan	(Optional) vlan
<i>vlan_id</i>	(Optional) vlan number
ipv4	(Optional) ipv4
security	display IP security information
group-tag	ip_address->security_group_tag
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding security mac

```
show forwarding [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ ipv4 ] security
mac [ <addr> ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] +
```

Syntax Description

show	
forwarding	display fib information
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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
ipv4	(Optional) ipv4
security	display IP security information
mac	ip_address->mac_address
<i>addr</i>	(Optional) specific ip address
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding srv6 adjacency decap

show forwarding srv6 adjacency decap [table <table_id>] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
adjacency	SRV6 adjacency
decap	Decapsulation adjacency
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
<i>bd</i>	(Optional) Bridge domain
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 adjacency encap

show forwarding srv6 adjacency encap [table <table_id>] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
adjacency	SRV6 adjacency
encap	Encapsulation adjacency
table	(Optional) display info per vpn-id
<i>table_id</i>	(Optional) table number
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 bsid-peer

show forwarding srv6 bsid-peer [<bsid_value>] [<endpoint>] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
bsid-peer	Binding SID identifier
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 bsid

show forwarding srv6 bsid [<bsid_value>] [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
bsid	Binding SID
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 ecmp

```
show forwarding srv6 ecmp [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | [ table <table_id> ] ] [
module <num> ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
ecmp	SRV6 ecmp
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
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 local-sid

```
show forwarding srv6 local-sid [ <sid_value> ] [ detail ] [ module <num> ]
```

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
local-sid	local segment identifier
detail	(Optional) Details about SID
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding srv6 peers

show forwarding srv6 peers [module <num>]

Syntax Description

show	show
forwarding	display fib information
srv6	Segment routing V6
peers	SRV6 peer
module	(Optional) Slot/module
<i>num</i>	(Optional) Slot/module number

Command Mode

- /exec

show forwarding trace

show forwarding trace [clear] [module <module>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
clear	(Optional) clear the trace buffer
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show forwarding trace profile

show forwarding trace profile

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information

Command Mode

- /exec

show forwarding trace profile funcstats

show forwarding trace profile funcstats [enable | disable] [module <module>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information
funcstats	function statistics
enable	(Optional) enable function statistics
disable	(Optional) disable function statistics
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show frequency synchronization clock-interface brief

show frequency synchronization clock-interface brief

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
clock-interface	Display clock-interface information
brief	Displays all interfaces

Command Mode

- /exec

show frequency synchronization clock-interface detail

show frequency synchronization clock-interface detail

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
clock-interface	Display clock-interface information
detail	details

Command Mode

- /exec

show frequency synchronization configuration errors

show frequency synchronization configuration errors

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
configuration	configuration
errors	errors

Command Mode

- /exec

show frequency synchronization interface

show frequency synchronization interface <if0>

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
interface	Display interface information
<i>if0</i>	

Command Mode

- /exec

show frequency synchronization interface brief

show frequency synchronization interface brief

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
interface	Display interface information
brief	Displays all interfaces

Command Mode

- /exec

show frequency synchronization selection

show frequency synchronization selection

Syntax Description

show	Show running system information
frequency	Frequency Synchronization Manager
synchronization	Frequency Synchronization Manager
selection	Display selection information

Command Mode

- /exec

show fspf

show fspf

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show fspf database

```
show fspf database [ vsan <i0> [ [ domain <i1> ] [ detail ] ] ]
```

Syntax Description

show	Show running system information
database	Show FSPF link state database
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id
domain	(Optional) Show LSR of a domain
<i>i1</i>	(Optional) domain index
detail	(Optional) Gives detailed information on the LSR

Command Mode

- /exec

show fspf interface

show fspf interface

Syntax Description

show	Show running system information
interface	Show FSPF related information about an interface

Command Mode

- /exec

show fspf vsan

show fspf vsan <i0>

Syntax Description

show	Show running system information
vsan	Enter VSAN
<i>i0</i>	VSAN id

Command Mode

- /exec

show fspf vsan interface

show fspf vsan <i0> interface [<if0>]

Syntax Description

show	Show running system information
vsan	Enter VSAN
<i>i0</i>	VSAN id
interface	Show FSPF related information about an interface
<i>if0</i>	(Optional) Show FSPF related information about an interface

Command Mode

- /exec

show fte event

```
show fte event [ name ] [ { <eventname> } ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific FTE Event
<i>eventname</i>	(Optional) Specify a event

Command Mode

- /exec

show fte exporter

show fte exporter [name] [<exportername>]

Syntax Description

show	Show running system information
fte	Show FTE information
exporter	Show FTE Exporter Configuration
name	(Optional) Show a specific FTE Exporter
<i>exportername</i>	(Optional) Specify an exporter

Command Mode

- /exec

show fte monitor

```
show fte monitor [ name ] [ <monitorname> [ cache [ detailed ] ] ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
monitor	Show Monitor Configuration
name	(Optional) Show a specific FTE Monitor
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show fte record

```
show fte record [ name ] [ { <recordname> } | { fte-original } | { fte { protocol-port | layer2-switched { input } | { ipv4 | ipv6 | l2 } { original-input } } } ]
```

Syntax Description

show	Show running system information
fte	Show FTE information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific FTE Record
<i>recordname</i>	(Optional) Specify a record
fte-original	(Optional) Traditional IPv4 input FTE with origin ASs
fte	(Optional) Traditional FTE collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input FTE
input	(Optional) Input FTE
protocol-port	(Optional) Protocol and Ports aggregation scheme

Command Mode

- /exec



G Show Commands

- [show gnss-receiver](#), on page 604
- [show guestshell](#), on page 605

show gnss-receiver

show gnss-receiver

Syntax Description

gnss-receiver	Select GNSS Receiver
---------------	----------------------

Command Mode

- /exec

show guestshell

show guestshell [{ detail }]

Syntax Description

show	Show running system information
guestshell	Display guest shell service information
detail	(Optional) Detailed guest shell service information

Command Mode

- /exec



H Show Commands

- [show hardware](#), on page 609
- [show hardware access-list lou resource threshold](#), on page 610
- [show hardware access-list resource pooling](#), on page 611
- [show hardware access-list team](#), on page 612
- [show hardware capacity](#), on page 613
- [show hardware capacity eobc](#), on page 614
- [show hardware capacity fabric-utilization](#), on page 615
- [show hardware capacity forwarding](#), on page 616
- [show hardware capacity interface](#), on page 617
- [show hardware capacity module](#), on page 618
- [show hardware capacity power](#), on page 619
- [show hardware deduplication tah-age-history](#), on page 620
- [show hardware deduplication tah-detail](#), on page 621
- [show hardware deduplication tah-summary](#), on page 622
- [show hardware fabricpath mac-learning module](#), on page 623
- [show hardware feature-capability](#), on page 624
- [show hardware flow aging](#), on page 625
- [show hardware flow entry address type](#), on page 626
- [show hardware flow ip](#), on page 627
- [show hardware flow ipv6](#), on page 628
- [show hardware flow l2](#), on page 629
- [show hardware flow mpls](#), on page 630
- [show hardware flow sampler](#), on page 631
- [show hardware flow tah-etrap](#), on page 632
- [show hardware flow utilization](#), on page 633
- [show hardware forwarding interface statistics mode](#), on page 634
- [show hardware forwarding memory health detail](#), on page 635
- [show hardware forwarding memory health summary](#), on page 636
- [show hardware ip verify](#), on page 637
- [show hardware profile dlb](#), on page 638
- [show hardware profile forwarding-mode](#), on page 639
- [show hardware profile module](#), on page 640
- [show hardware profile npu power](#), on page 641

- [show hardware profile packet-drop](#), on page 642
- [show hardware profile portmode](#), on page 643
- [show hardware profile status](#), on page 644
- [show hardware profile tcam region](#), on page 645
- [show hardware qos afd profile](#), on page 646
- [show hardware qos burst-detect max-records](#), on page 647
- [show hardware qos eoq stats-class](#), on page 648
- [show hardware qos include ipg](#), on page 649
- [show hardware qos ing-pg-hdrm-reserve](#), on page 650
- [show hardware qos ing-pg-no-min](#), on page 651
- [show hardware qos ing-pg-share](#), on page 652
- [show hardware qos min-buffer](#), on page 653
- [show hardware qos ns-buffer-profile](#), on page 654
- [show hardware qos ns-mcq3-alias](#), on page 655
- [show hardware rate-limiter](#), on page 656
- [show hardware rate-limiter](#), on page 657
- [show hardware rate-limiter span-egress](#), on page 658
- [show hardware vxlan storm-control](#), on page 659
- [show hostname](#), on page 660
- [show hosts](#), on page 661
- [show hsrp](#), on page 662
- [show hsrp anycast](#), on page 663
- [show hsrp anycast interface vlan](#), on page 664
- [show hsrp anycast remote-db](#), on page 665
- [show hsrp anycast summary](#), on page 666
- [show hsrp bfd-sessions](#), on page 667
- [show hsrp delay](#), on page 668
- [show hsrp mgo](#), on page 669
- [show hsrp summary](#), on page 670

show hardware

show hardware

Syntax Description

show	Show running system information
hardware	Show hardware information

Command Mode

- /exec

show hardware access-list lou resource threshold

show hardware access-list lou resource threshold

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold

Command Mode

- /exec

show hardware access-list resource pooling

show hardware access-list resource pooling

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
resource	Hardware resource
pooling	ACL programming across TCAM banks

Command Mode

- /exec

show hardware access-list tcam

```
show hardware access-list tcam { { template { nfe | nfe2 | l2-l3 | l3 | <name> | all } } | { region } }
```

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
tcam	Show tcam parameters
region	Show tcam region sizes

Command Mode

- /exec

show hardware capacity

show hardware capacity

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc

Command Mode

- /exec

show hardware capacity eobc

show hardware capacity eobc

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
eobc	EOBC resources

Command Mode

- /exec

show hardware capacity fabric-utilization

show hardware capacity fabric-utilization

Syntax Description

show	Show running system information
hardware	Show hardware information
capacity	resource inventory and/or usage level
fabric-utilization	Show per module Fabric utilization

Command Mode

- /exec

show hardware capacity forwarding

show hardware capacity forwarding

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc
forwarding	L2/L3 Forwarding resources

Command Mode

- /exec

show hardware capacity interface

show hardware capacity interface

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Usage levels
interface	Interface Resources - Tx/Rx drops and Tx/Rx buffers

Command Mode

- /exec

show hardware capacity module

show hardware capacity module

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
module	SUP, LC, XBAR

Command Mode

- /exec

show hardware capacity power

show hardware capacity power

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
power	power summary

Command Mode

- /exec

show hardware deduplication tah-age-history

show hardware deduplication tah-age-history [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-age-history	De-dup aged flows Information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show hardware deduplication tah-detail

show hardware deduplication tah-detail [tah-hw-table] [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-detail	De-dup Detail Information
tah-hw-table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show hardware deduplication tah-summary

show hardware deduplication tah-summary [tah-hw-table | tah-info] [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
deduplication	De-duplication
tah-summary	De-dup Summary Information
tah-hw-table	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
tah-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show hardware fabricpath mac-learning module

show hardware fabricpath mac-learning module <module>

Syntax Description

show	Show running system information
hardware	Show hardware information
fabricpath	Fabric Path
mac-learning	MAC Learning
module	Specify a module number
<i>module</i>	Specify a module number

Command Mode

- /exec

show hardware feature-capability

show hardware feature-capability [detailed]

Syntax Description

show	Show running system information
hardware	Show hardware information
feature-capability	show registered features supported
detailed	(Optional) detailed

Command Mode

- /exec

show hardware flow aging

```
show hardware flow aging [ instance <inst> ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
aging	Aging Info
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow entry address type

show hardware flow entry address <addr> type { ip | ipv6 | l2 | mpls } [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
entry	Netflow Table Entry
address	Netflow Table Address
<i>addr</i>	Netflow Table Address
type	Flow Type
ip	Internet Protocol Version 4
ipv6	Internet Protocol Version 6
l2	Layer 2 Protocol
mpls	MPLS Protocol
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow ip

```
show hardware flow ip [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
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
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow ipv6

```
show hardware flow ipv6 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
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
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow l2

```
show hardware flow l2 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } } ] [ instance
<inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
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
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow mpls

```
show hardware flow mpls [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface
<interface> } } ] [ instance <inst> ] [ detail ] [ module <num> ]
```

Syntax Description

show	Show running system information
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
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow sampler

```
show hardware flow sampler { all | count | index <index> | name <sname> } [ detail ] [ instance <inst> ] [ module <num> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
sampler	Flow Sampler
all	Netflow Sampler Usage
count	Netflow Sampler Utilization
index	Netflow Sampler Index
<i>index</i>	Netflow Sampler Index
name	Netflow Sampler Name
<i>sname</i>	Netflow Sampler Name
detail	(Optional) Detailed Output Display
instance	(Optional) Instance
<i>inst</i>	(Optional) Clipper Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware flow tah-etrap

```
show hardware flow tah-etrap [ module <module> ] [ { unit <unit> slice <slice> } ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Traffic flow information
tah-etrap	Elephant Trap information
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
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

Command Mode

- /exec

show hardware flow utilization

show hardware flow utilization [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
utilization	NT Table Utilization
instance	(Optional) Instance
<i>inst</i>	(Optional) Earl Instance
module	(Optional) Line card module
<i>num</i>	(Optional) slot number

Command Mode

- /exec

show hardware forwarding interface statistics mode

show hardware forwarding interface statistics mode

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	Show hardware information for forwarding path
interface	Interface
statistics	Statistics
mode	Statistics mode

Command Mode

- /exec

show hardware forwarding memory health detail

show hardware forwarding memory health detail

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
detail	show the detail

Command Mode

- /exec

show hardware forwarding memory health summary

show hardware forwarding memory health summary

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
summary	show the summary

Command Mode

- /exec

show hardware ip verify

show hardware [forwarding] ip verify [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IP
verify	Show IP packet verification checks enabled in hardware
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware profile dlb

show hardware profile dlb

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Profile settings
dlb	Dynamic Load Balancing

Command Mode

- /exec

show hardware profile forwarding-mode

show hardware profile forwarding-mode

Syntax Description

show	Show running system information
hardware	Show hardware profile forwarding-mode
profile	profile forwarding-mode
forwarding-mode	forwarding-mode

Command Mode

- /exec

show hardware profile module

show hardware profile module <module>

Syntax Description

show	Show running system information
hardware	Show hardware profile
profile	Profile settings
module	Enter module number
<i>module</i>	

Command Mode

- /exec

show hardware profile npu power

show hardware profile npu power [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	Profile settings
npu	npu power profile
power	Power setting
module	(Optional) module
<i>module</i>	(Optional) please enter module number

Command Mode

- /exec

show hardware profile packet-drop

```
show hardware profile packet-drop { status | data [ instance <cap_instance> ] | event [ instance <cap_instance> ] }
```

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	Profile settings
packet-drop	Packet Drop parameters
status	Packet Drop status
data	Packet Drop circular-buffer data
instance	(Optional) Packet Drop captured instance
<i>cap_instance</i>	(Optional) Value 1-5
event	Packet Drop event-buffer data
instance	(Optional) Packet Drop captured instance
<i>cap_instance</i>	(Optional) Value 1-5

Command Mode

- /exec

show hardware profile portmode

{ show hardware profile portmode }

Syntax Description

show	Show running system information
hardware	Change hardware usage settings
profile	profile settings
portmode	QSFP port mode setting

Command Mode

- /exec

show hardware profile status

show hardware profile status [module <module>] [detail]

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Show current table usage
status	Show status of dynamic resource allocation
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	(Optional) Slot/module number
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show hardware profile tcam region

show hardware profile tcam region

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	profile
tcam	Show tcam parameters
region	Show tcam region sizes

Command Mode

- /exec

show hardware qos afd profile

show hardware qos afd profile [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
afd	Show Approximate Fair Dropping config
profile	Show AFD profile config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos burst-detect max-records

show hardware qos burst-detect max-records

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
burst-detect	Show oobst burst-detect info
max-records	Show oobst burst-detect max-records

Command Mode

- /exec

show hardware qos eoq stats-class

show hardware qos eoq stats-class [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
eoq	Show Extended Output Queue(EOQ) related information
stats-class	Show EOQ Statistics class selection config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos include ipg

```
show hardware qos include ipg [ module <module> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
include	Show include config
ipg	Show whether to include IPG in Shaping/Policing config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ing-pg-hdrm-reserve

show hardware qos ing-pg-hdrm-reserve [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-hdrm-reserve	Show ing-pg-hdrm-reserve config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ing-pg-no-min

show hardware qos ing-pg-no-min [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-no-min	Show ing-pg-no-min config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ing-pg-share

show hardware qos ing-pg-share [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-share	Show ing-pg-share config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos min-buffer

```
show hardware qos min-buffer [ module <module> ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
min-buffer	Show min-buffer config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ns-buffer-profile

show hardware qos ns-buffer-profile [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ns-buffer-profile	Show ns-buffer-profile config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware qos ns-mcq3-alias

show hardware qos ns-mcq3-alias [module <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
ns-mcq3-alias	Show NS mc-queue-3 alias class selection config
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <fl-opts> | span-egress | urpf-fail ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
<i>l3-opts</i>	(Optional)
multicast	(Optional) Multicast data packets
<i>mcast-opts</i>	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
<i>l2-opts</i>	(Optional)
<i>opts</i>	(Optional)
fl	(Optional) Control packets from F1 modules to supervisor
<i>fl-opts</i>	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter

```
show hardware rate-limiter [ module <module> ] [ layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2
<l2-opts> | <opts> | fl <f1-opts> | span-egress | urpf-fail ]
```

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
<i>l3-opts</i>	(Optional)
multicast	(Optional) Multicast data packets
<i>mcast-opts</i>	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
<i>l2-opts</i>	(Optional)
<i>opts</i>	(Optional)
fl	(Optional) Control packets from F1 modules to supervisor
<i>f1-opts</i>	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec

show hardware rate-limiter span-egress

show hardware rate-limiter span-egress

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
span-egress	SPAN/ERSPAN egress packets

Command Mode

- /exec

show hardware vxlan storm-control

show hardware vxlan storm-control

Syntax Description

show	Show running system information
hardware	Show hardware information
vxlan	VxLAN Information
storm-control	Storm Control Information

Command Mode

- /exec

show hostname

show { hostname | switchname }

Syntax Description

show	Show running system information
hostname	show the system's hostname
switchname	show the system's hostname

Command Mode

- /exec

show hosts

show hosts

Syntax Description

show	Show running system information
hosts	Show information about DNS

Command Mode

- /exec

show hsrp

```
show hsrp [ interface <interface-id> ] [ group <group-number> ] [ active | init | learn | listen | speak | standby ] + [ all ] [ brief [ all ] | detail ] [ ipv4 | ipv6 ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
active	(Optional) Groups in active state
init	(Optional) Groups in init state
listen	(Optional) Groups in listen state
standby	(Optional) Groups in standby state
learn	(Optional) Groups in learn state
speak	(Optional) Groups in speak state
group	(Optional) Group number
<i>group-number</i>	(Optional) Group Number
all	(Optional) Include groups in disabled state
brief	(Optional) Brief output
detail	(Optional) Detailed output
ipv4	(Optional) HSRP V4 Groups
ipv6	(Optional) HSRP V6 Groups
all	(Optional) Display all VIPs

Command Mode

- /exec

show hsrp anycast

```
show hsrp anycast [ <id> { ipv4 | ipv6 | both } ] [ brief ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
<i>id</i>	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle
brief	(Optional) Brief output

Command Mode

- /exec

show hsrp anycast interface vlan

show hsrp anycast interface { vlan | bdi } <id>

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
interface	Bundle on this interface Interface
vlan	VLAN interface
bdi	Bridge-Domain interface
<i>id</i>	VLAN number

Command Mode

- /exec

show hsrp anycast remote-db

```
show hsrp anycast remote-db [ <id> { ipv4 | ipv6 | both } ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
remote-db	Remote data base for the bundle
<i>id</i>	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast summary

show hsrp anycast summary

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
summary	Show HSRP summary

Command Mode

- /exec

show hsrp bfd-sessions

```
show hsrp bfd-sessions [ interface <interface-id> [ to <ipaddress> ] ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
to	(Optional) To IP address
<i>ipaddress</i>	(Optional) Sessions to IP address

Command Mode

- /exec

show hsrp delay

show hsrp delay [interface <interface-id>]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
delay	Group initialisation delay
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface

Command Mode

- /exec

show hsrp mgo

```
show hsrp mgo [ name <name> | brief ]
```

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
mgo	Show HSRP mgo details
name	(Optional) Redundancy name string
<i>name</i>	(Optional) name string
brief	(Optional) show HSPR mgo brief

Command Mode

- /exec

show hsrp summary

show hsrp summary

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
summary	Show HSRP summary

Command Mode

- /exec



I Show Commands

- [show ieth-header-decode](#), on page 682
- [show inband-telemetry exporter](#), on page 683
- [show inband-telemetry flow-profile](#), on page 684
- [show inband-telemetry monitor](#), on page 685
- [show inband-telemetry queue-profile](#), on page 686
- [show inband-telemetry record](#), on page 687
- [show inband-telemetry sessions](#), on page 688
- [show inband-telemetry watchlist](#), on page 689
- [show incompatibility-all system](#), on page 690
- [show incompatibility system](#), on page 691
- [show install](#), on page 692
- [show install all failed-standby](#), on page 693
- [show install all failure-reason](#), on page 694
- [show install all impact](#), on page 695
- [show install all impact epld](#), on page 696
- [show install all progress](#), on page 697
- [show install all status](#), on page 698
- [show install all time-stats](#), on page 699
- [show install epld status](#), on page 700
- [show install log](#), on page 701
- [show install mode](#), on page 702
- [show install packages](#), on page 703
- [show install patches](#), on page 704
- [show interface](#), on page 705
- [show interface](#), on page 706
- [show interface](#), on page 707
- [show interface](#), on page 708
- [show interface](#), on page 709
- [show interface](#), on page 710
- [show interface](#), on page 711
- [show interface](#), on page 712
- [show interface](#), on page 713
- [show interface](#), on page 714

- [show interface](#), on page 715
- [show interface aggregate-counters](#), on page 716
- [show interface aggregate-counters](#), on page 717
- [show interface bbcredit](#), on page 718
- [show interface brief](#), on page 719
- [show interface brief](#), on page 720
- [show interface brief](#), on page 721
- [show interface brief](#), on page 722
- [show interface brief](#), on page 723
- [show interface brief](#), on page 724
- [show interface brief](#), on page 725
- [show interface brief](#), on page 726
- [show interface brief](#), on page 727
- [show interface cable-diagnostics-tdr](#), on page 728
- [show interface capabilities](#), on page 729
- [show interface capabilities](#), on page 730
- [show interface capabilities](#), on page 731
- [show interface chassis-info](#), on page 732
- [show interface chassis-info detail](#), on page 733
- [show interface counters](#), on page 734
- [show interface counters](#), on page 735
- [show interface counters](#), on page 736
- [show interface counters](#), on page 737
- [show interface counters](#), on page 738
- [show interface counters](#), on page 739
- [show interface counters](#), on page 740
- [show interface counters](#), on page 741
- [show interface counters brief](#), on page 742
- [show interface counters brief](#), on page 743
- [show interface counters detailed](#), on page 744
- [show interface counters detailed](#), on page 745
- [show interface counters detailed](#), on page 746
- [show interface counters detailed](#), on page 747
- [show interface counters detailed all](#), on page 748
- [show interface counters detailed all](#), on page 749
- [show interface counters detailed all](#), on page 750
- [show interface counters detailed all](#), on page 751
- [show interface counters detailed all](#), on page 752
- [show interface counters detailed cached](#), on page 753
- [show interface counters details](#), on page 754
- [show interface counters details](#), on page 755
- [show interface counters errors](#), on page 756
- [show interface counters errors](#), on page 757
- [show interface counters errors](#), on page 758
- [show interface counters fc](#), on page 759
- [show interface counters snmp](#), on page 760

- [show interface counters snmp](#), on page 761
- [show interface counters storm-control](#), on page 762
- [show interface counters storm-control](#), on page 763
- [show interface counters storm-control multi-threshold](#), on page 764
- [show interface counters table](#), on page 765
- [show interface counters trunk](#), on page 766
- [show interface dampening](#), on page 767
- [show interface debounce](#), on page 768
- [show interface debounce](#), on page 769
- [show interface description](#), on page 770
- [show interface description](#), on page 771
- [show interface description](#), on page 772
- [show interface description](#), on page 773
- [show interface description](#), on page 774
- [show interface description](#), on page 775
- [show interface description](#), on page 776
- [show interface description](#), on page 777
- [show interface detail-counters](#), on page 778
- [show interface fcoe](#), on page 779
- [show interface fec](#), on page 780
- [show interface flowcontrol](#), on page 781
- [show interface flowcontrol](#), on page 782
- [show interface hardware-mappings](#), on page 783
- [show interface mac-address](#), on page 784
- [show interface mac-address](#), on page 785
- [show interface priority-flow-control](#), on page 786
- [show interface private-vlan mapping](#), on page 787
- [show interface pruning](#), on page 788
- [show interface queuing-drop history brief](#), on page 789
- [show interface queuing-drop history detail](#), on page 790
- [show interface snmp-ifindex](#), on page 791
- [show interface status](#), on page 792
- [show interface status](#), on page 793
- [show interface status](#), on page 794
- [show interface status](#), on page 795
- [show interface status](#), on page 796
- [show interface status](#), on page 797
- [show interface status](#), on page 798
- [show interface status err-disabled](#), on page 799
- [show interface status err-disabled](#), on page 800
- [show interface status err-vlans](#), on page 801
- [show interface status err-vlans](#), on page 802
- [show interface storm-control multi-threshold](#), on page 803
- [show interface switchport](#), on page 804
- [show interface switchport](#), on page 805
- [show interface switchport backup](#), on page 806

- [show interface transceiver](#), on page 807
- [show interface transceiver](#), on page 808
- [show interface transceiver](#), on page 809
- [show interface transceiver alarms](#), on page 810
- [show interface transceiver fex-fabric](#), on page 811
- [show interface transceiver fex-fabric](#), on page 812
- [show interface transceiver performance-monitoring current fec](#), on page 813
- [show interface transceiver performance-monitoring history fec interval](#), on page 814
- [show interface trunk](#), on page 815
- [show interface trunk](#), on page 816
- [show interface trunk vsan](#), on page 817
- [show interface trunk vsan](#), on page 818
- [show interface untagged-cos](#), on page 819
- [show interface vlan mapping](#), on page 820
- [show inventory](#), on page 821
- [show ip adjacency](#), on page 822
- [show ip amt relay](#), on page 823
- [show ip amt route](#), on page 824
- [show ip amt tunnel](#), on page 825
- [show ip arp](#), on page 826
- [show ip arp anycast topo-info](#), on page 827
- [show ip arp client](#), on page 828
- [show ip arp controller-statistics](#), on page 829
- [show ip arp inspection](#), on page 830
- [show ip arp inspection interfaces](#), on page 831
- [show ip arp inspection log](#), on page 832
- [show ip arp inspection statistics](#), on page 833
- [show ip arp inspection vlan](#), on page 834
- [show ip arp l2 statistics interface](#), on page 835
- [show ip arp multihoming-statistics](#), on page 836
- [show ip arp off-list](#), on page 837
- [show ip arp open-flow error-statistics](#), on page 838
- [show ip arp static remote](#), on page 839
- [show ip arp statistics](#), on page 840
- [show ip arp suppression-cache](#), on page 841
- [show ip arp suppression topo-info](#), on page 842
- [show ip arp tunnel-statistics](#), on page 843
- [show ip arp vpc-statistics](#), on page 844
- [show ip as-path-access-list](#), on page 845
- [show ip client](#), on page 846
- [show ip community-list](#), on page 847
- [show ip dhcp global statistics](#), on page 848
- [show ip dhcp option82 suboption info interface](#), on page 849
- [show ip dhcp relay](#), on page 850
- [show ip dhcp relay address](#), on page 851
- [show ip dhcp relay information trusted-sources](#), on page 852

- [show ip dhcp relay statistics](#), on page 853
- [show ip dhcp snooping](#), on page 854
- [show ip dhcp snooping binding](#), on page 855
- [show ip dhcp snooping statistics](#), on page 856
- [show ip dhcp status](#), on page 857
- [show ip dns source-interface](#), on page 858
- [show ip dns source-interface vrf all](#), on page 859
- [show ip eigrp](#), on page 860
- [show ip eigrp accounting](#), on page 861
- [show ip eigrp interfaces](#), on page 862
- [show ip eigrp traffic](#), on page 863
- [show ip extcommunity-list](#), on page 864
- [show ip fib distribution](#), on page 865
- [show ip fib distribution mroute](#), on page 866
- [show ip fib distribution multicast](#), on page 867
- [show ip fib mroute](#), on page 868
- [show ip fib route](#), on page 869
- [show ip ftp source-interface](#), on page 871
- [show ip ftp source-interface vrf all](#), on page 872
- [show ip http source-interface](#), on page 873
- [show ip http source-interface vrf all](#), on page 874
- [show ip igmp groups](#), on page 875
- [show ip igmp interface](#), on page 876
- [show ip igmp local-groups](#), on page 877
- [show ip igmp policy statistics reports](#), on page 878
- [show ip igmp snooping](#), on page 879
- [show ip igmp snooping explicit-tracking](#), on page 880
- [show ip igmp snooping filter details](#), on page 881
- [show ip igmp snooping groups](#), on page 882
- [show ip igmp snooping lookup-mode](#), on page 883
- [show ip igmp snooping mac-oif](#), on page 884
- [show ip igmp snooping mrouter](#), on page 885
- [show ip igmp snooping otv vlan brief](#), on page 886
- [show ip igmp snooping pw vlan brief](#), on page 887
- [show ip igmp snooping querier](#), on page 888
- [show ip igmp snooping report statistics](#), on page 889
- [show ip igmp snooping statistics](#), on page 890
- [show ip igmp vrf all](#), on page 891
- [show ip interface](#), on page 892
- [show ip large-community-list](#), on page 893
- [show ip lisp](#), on page 894
- [show ip lisp data-cache](#), on page 895
- [show ip lisp locator-hash](#), on page 896
- [show ip lisp map-cache](#), on page 897
- [show ip lisp statistics](#), on page 898
- [show ip lisp translate-cache](#), on page 899

- [show ip load-sharing](#), on page 900
- [show ip local policy](#), on page 901
- [show ip logging](#), on page 902
- [show ip mbgp](#), on page 903
- [show ip mbgp](#), on page 905
- [show ip mbgp community](#), on page 906
- [show ip mbgp dampening](#), on page 907
- [show ip mbgp extcommunity](#), on page 908
- [show ip mbgp flap-statistics](#), on page 909
- [show ip mbgp neighbors](#), on page 910
- [show ip mbgp nexthop-database](#), on page 912
- [show ip mbgp nexthop](#), on page 913
- [show ip mbgp prefix-list](#), on page 914
- [show ip mbgp received-paths](#), on page 915
- [show ip mroute](#), on page 916
- [show ip msdp count](#), on page 918
- [show ip msdp mesh-group](#), on page 919
- [show ip msdp peer](#), on page 920
- [show ip msdp policy statistics sa-policy in](#), on page 921
- [show ip msdp rpf](#), on page 922
- [show ip msdp sa](#), on page 923
- [show ip msdp sources](#), on page 924
- [show ip msdp statistics](#), on page 925
- [show ip msdp summary](#), on page 926
- [show ip multicast vrf](#), on page 927
- [show ip nat-alias](#), on page 928
- [show ip nat max](#), on page 929
- [show ip nat statistics](#), on page 930
- [show ip nat timeout](#), on page 931
- [show ip nat translations](#), on page 932
- [show ip ospf](#), on page 933
- [show ip ospf border-routers](#), on page 934
- [show ip ospf database](#), on page 935
- [show ip ospf database database-summary](#), on page 937
- [show ip ospf database detail](#), on page 938
- [show ip ospf interface](#), on page 940
- [show ip ospf interface brief](#), on page 941
- [show ip ospf lsa-content-changed-list](#), on page 942
- [show ip ospf neighbors](#), on page 943
- [show ip ospf neighbors detail](#), on page 944
- [show ip ospf neighbors summary](#), on page 945
- [show ip ospf request-list](#), on page 946
- [show ip ospf retransmission-list](#), on page 947
- [show ip ospf route](#), on page 948
- [show ip ospf route summary](#), on page 949
- [show ip ospf segment-routing adj-sid-database](#), on page 950

- [show ip ospf segment-routing global-block](#), on page 951
- [show ip ospf segment-routing sid-database](#), on page 952
- [show ip ospf sham-links](#), on page 953
- [show ip ospf sham-links brief](#), on page 954
- [show ip ospf statistics](#), on page 955
- [show ip ospf summary-address](#), on page 956
- [show ip ospf traffic](#), on page 957
- [show ip ospf virtual-links](#), on page 958
- [show ip ospf virtual-links brief](#), on page 959
- [show ip pim config-sanity](#), on page 960
- [show ip pim df](#), on page 961
- [show ip pim fabric info](#), on page 962
- [show ip pim fabric legacy-vlans](#), on page 963
- [show ip pim group-range](#), on page 964
- [show ip pim host-proxy](#), on page 965
- [show ip pim interface show ip pim interface](#), on page 966
- [show ip pim mdt](#), on page 967
- [show ip pim mdt bgp](#), on page 968
- [show ip pim mdt history interval](#), on page 969
- [show ip pim mdt receive](#), on page 970
- [show ip pim mdt send](#), on page 971
- [show ip pim neighbor](#), on page 972
- [show ip pim oif-list](#), on page 973
- [show ip pim pfm-sd cache](#), on page 974
- [show ip pim policy statistics](#), on page 975
- [show ip pim policy statistics jp](#), on page 976
- [show ip pim route](#), on page 977
- [show ip pim rp-hash](#), on page 978
- [show ip pim rp](#), on page 979
- [show ip pim statistics](#), on page 980
- [show ip pim vrf](#), on page 981
- [show ip ping source-interface](#), on page 982
- [show ip ping source-interface vrf all](#), on page 983
- [show ip policy](#), on page 984
- [show ip prefix-list](#), on page 985
- [show ip process](#), on page 986
- [show ip rip](#), on page 987
- [show ip rip interface](#), on page 988
- [show ip rip neighbor](#), on page 989
- [show ip rip policy statistics redistribute](#), on page 990
- [show ip rip route](#), on page 991
- [show ip rip statistics](#), on page 992
- [show ip route](#), on page 993
- [show ip sla application](#), on page 995
- [show ip sla configuration](#), on page 996
- [show ip sla enhanced-history collection-statistics](#), on page 997

- [show ip sla enhanced-history distribution-statistics](#), on page 998
- [show ip sla group schedule](#), on page 999
- [show ip sla history](#), on page 1000
- [show ip sla reaction-configuration](#), on page 1001
- [show ip sla reaction-trigger](#), on page 1002
- [show ip sla responder](#), on page 1003
- [show ip sla statistics](#), on page 1004
- [show ip sla twamp connection detail](#), on page 1005
- [show ip sla twamp connection requests](#), on page 1006
- [show ip sla twamp session](#), on page 1007
- [show ip sla twamp standards](#), on page 1008
- [show ip ssh source-interface](#), on page 1009
- [show ip ssh source-interface vrf all](#), on page 1010
- [show ip static-route](#), on page 1011
- [show ip tcp mss](#), on page 1012
- [show ip telnet source-interface](#), on page 1013
- [show ip telnet source-interface vrf all](#), on page 1014
- [show ip tftp source-interface](#), on page 1015
- [show ip tftp source-interface vrf all](#), on page 1016
- [show ip traceroute source-interface](#), on page 1017
- [show ip traceroute source-interface vrf all](#), on page 1018
- [show ip traffic](#), on page 1019
- [show ip traffic pps](#), on page 1020
- [show ip udp relay](#), on page 1021
- [show ip udp relay interface](#), on page 1022
- [show ip udp relay object-group](#), on page 1023
- [show ip verify source](#), on page 1024
- [show ipt details](#), on page 1025
- [show ipv6 adjacency](#), on page 1026
- [show ipv6 adjacency aggregate-prefix](#), on page 1027
- [show ipv6 adjacency subnet-prefix](#), on page 1028
- [show ipv6 amt tunnel](#), on page 1029
- [show ipv6 bgp](#), on page 1030
- [show ipv6 bgp](#), on page 1031
- [show ipv6 bgp community](#), on page 1032
- [show ipv6 bgp dampening](#), on page 1033
- [show ipv6 bgp extcommunity](#), on page 1034
- [show ipv6 bgp flap-statistics](#), on page 1035
- [show ipv6 bgp neighbors](#), on page 1036
- [show ipv6 bgp nexthop-database](#), on page 1037
- [show ipv6 bgp nexthop](#), on page 1038
- [show ipv6 bgp received-paths](#), on page 1039
- [show ipv6 bgp regexp](#), on page 1040
- [show ipv6 bgp summary](#), on page 1041
- [show ipv6 client](#), on page 1042
- [show ipv6 dhcp guard policy](#), on page 1043

- [show ipv6 dhcp relay](#), on page 1044
- [show ipv6 dhcp relay prefix-delegation](#), on page 1045
- [show ipv6 dhcp relay prefix-delegation detail](#), on page 1046
- [show ipv6 dhcp relay statistics](#), on page 1047
- [show ipv6 fragments](#), on page 1048
- [show ipv6 icmp](#), on page 1049
- [show ipv6 icmp global traffic](#), on page 1050
- [show ipv6 icmp interface](#), on page 1051
- [show ipv6 icmp l2 statistics](#), on page 1052
- [show ipv6 icmp nd local-proxy stats](#), on page 1053
- [show ipv6 icmp neighbor static remote](#), on page 1054
- [show ipv6 icmp off-list](#), on page 1055
- [show ipv6 icmp vaddr](#), on page 1056
- [show ipv6 icmp vpc-statistics](#), on page 1057
- [show ipv6 interface](#), on page 1058
- [show ipv6 lisp data-cache](#), on page 1059
- [show ipv6 local policy](#), on page 1060
- [show ipv6 mld global traffic](#), on page 1061
- [show ipv6 mld groups](#), on page 1062
- [show ipv6 mld interface](#), on page 1063
- [show ipv6 mld local-groups](#), on page 1064
- [show ipv6 mld snooping](#), on page 1065
- [show ipv6 mld snooping explicit-tracking](#), on page 1066
- [show ipv6 mld snooping filter details](#), on page 1067
- [show ipv6 mld snooping groups](#), on page 1068
- [show ipv6 mld snooping lookup-mode](#), on page 1069
- [show ipv6 mld snooping mrouter](#), on page 1070
- [show ipv6 mld snooping otv vlan brief](#), on page 1071
- [show ipv6 mld snooping pw vlan brief](#), on page 1072
- [show ipv6 mld snooping querier](#), on page 1073
- [show ipv6 mld snooping report statistics](#), on page 1074
- [show ipv6 mld snooping statistics](#), on page 1075
- [show ipv6 mroute](#), on page 1076
- [show ipv6 mtu](#), on page 1077
- [show ipv6 multicast vrf](#), on page 1078
- [show ipv6 nd addr-registry](#), on page 1079
- [show ipv6 nd ra dns search-list](#), on page 1080
- [show ipv6 nd ra dns server](#), on page 1081
- [show ipv6 nd rguard policy](#), on page 1082
- [show ipv6 nd suppression-cache](#), on page 1083
- [show ipv6 neighbor binding](#), on page 1084
- [show ipv6 neighbor binding mac](#), on page 1085
- [show ipv6 neighbor static](#), on page 1086
- [show ipv6 pim df](#), on page 1087
- [show ipv6 pim fabric info](#), on page 1088
- [show ipv6 pim fabric legacy-vlans](#), on page 1089

- [show ipv6 pim group-range](#), on page 1090
- [show ipv6 pim interface](#), on page 1091
- [show ipv6 pim mdt](#), on page 1092
- [show ipv6 pim mdt bgp](#), on page 1093
- [show ipv6 pim mdt history interval](#), on page 1094
- [show ipv6 pim mdt receive](#), on page 1095
- [show ipv6 pim mdt send](#), on page 1096
- [show ipv6 pim neighbor](#), on page 1097
- [show ipv6 pim oif-list](#), on page 1098
- [show ipv6 pim policy statistics jp](#), on page 1099
- [show ipv6 pim route](#), on page 1100
- [show ipv6 pim rp-hash](#), on page 1101
- [show ipv6 pim rp](#), on page 1102
- [show ipv6 pim statistics](#), on page 1103
- [show ipv6 pim vrf](#), on page 1104
- [show ipv6 policy](#), on page 1105
- [show ipv6 prefix-list](#), on page 1106
- [show ipv6 process](#), on page 1107
- [show ipv6 rguard statistics](#), on page 1108
- [show ipv6 rip policy statistics redistribute](#), on page 1109
- [show ipv6 route](#), on page 1110
- [show ipv6 routers](#), on page 1112
- [show ipv6 snooping capture-policy](#), on page 1113
- [show ipv6 snooping counters vlan](#), on page 1114
- [show ipv6 snooping events](#), on page 1115
- [show ipv6 snooping features](#), on page 1116
- [show ipv6 snooping messages](#), on page 1117
- [show ipv6 snooping policies](#), on page 1118
- [show ipv6 snooping policy](#), on page 1119
- [show ipv6 snooping pss database](#), on page 1120
- [show ipv6 static-route](#), on page 1121
- [show ipv6 traffic](#), on page 1122
- [show isis](#), on page 1123
- [show isis adjacency](#), on page 1124
- [show isis csnp](#), on page 1125
- [show isis database](#), on page 1126
- [show isis distribute-ls](#), on page 1127
- [show isis dynamic-flooding](#), on page 1128
- [show isis interface](#), on page 1129
- [show isis ipv6 redistribute route](#), on page 1130
- [show isis ipv6 route](#), on page 1131
- [show isis ipv6 summary-address](#), on page 1132
- [show isis lslib](#), on page 1133
- [show isis mesh-group](#), on page 1135
- [show isis redistribute route](#), on page 1136
- [show isis route](#), on page 1137

- [show isis rrm, on page 1138](#)
- [show isis segment-routing mapcache, on page 1139](#)
- [show isis segment-routing remote-srgb, on page 1140](#)
- [show isis segment-routing sids, on page 1141](#)
- [show isis segment-routing srv6, on page 1142](#)
- [show isis segment-routing srv6 locators, on page 1143](#)
- [show isis spf-log, on page 1144](#)
- [show isis srm, on page 1145](#)
- [show isis ssn, on page 1146](#)
- [show isis statistics, on page 1147](#)
- [show isis summary-address, on page 1148](#)
- [show isis topology, on page 1149](#)
- [show isis traffic, on page 1150](#)
- [show itd, on page 1151](#)
- [show itd session device-group, on page 1152](#)
- [show itd statistics, on page 1153](#)
- [show itd vrf, on page 1154](#)
- [show itu channel, on page 1155](#)

show ieth-header-decode

show ieth-header-decode <ieth>

Syntax Description

show	Show running system information
ieth-header-decode	Show decode of ieth header
<i>ieth</i>	ieth header in hex (0xFF...) or string (FF..) form

Command Mode

- /exec

show inband-telemetry exporter

show inband-telemetry exporter [<exportername>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
exporter	Show INT Exporter Configuration
<i>exportername</i>	(Optional) Specify an exporter

Command Mode

- /exec

show inband-telemetry flow-profile

show inband-telemetry flow-profile [<flow-profilename>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
flow-profile	Show INT flow Profile Configuration
<i>flow-profilename</i>	(Optional) Specify an flow Profile

Command Mode

- /exec

show inband-telemetry monitor

```
show inband-telemetry monitor [ <monitorname> [ cache [ detailed ] ] ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
monitor	Show Monitor Configuration
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show inband-telemetry queue-profile

show inband-telemetry queue-profile [<queue-profilename> | queue-profile-default]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
queue-profile	Show INT Queue Profile Configuration
<i>queue-profilename</i>	(Optional) Specify an Queue Profile
queue-profile-default	(Optional) Show INT Queue Profile Default Configuration

Command Mode

- /exec

show inband-telemetry record

show inband-telemetry record [{ <recordname> }]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
record	Show Record Configuration
<i>recordname</i>	(Optional) Specify a record

Command Mode

- /exec

show inband-telemetry sessions

show inband-telemetry sessions [<monitorname>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
sessions	Show Session Configuration
<i>monitorname</i>	(Optional) Specify a monitor

Command Mode

- /exec

show inband-telemetry watchlist

```
show inband-telemetry watchlist [ { <watchlistname> } ]
```

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
watchlist	Show watchlist Configuration
<i>watchlistname</i>	(Optional) Specify a watchlist

Command Mode

- /exec

show incompatibility-all system

```
show incompatibility-all { system <uri0> | nxos <uri1> }
```

Syntax Description

show	Show running system information
incompatibility-all	Show incompatible configurations for the entire system
system	show incompatibilities with an image
<i>uri0</i>	Enter image uri
nxos	show incompatibilities with an image
<i>uri1</i>	Enter image uri

Command Mode

- /exec

show incompatibility system

```
show incompatibility { system <uri0> | nxos <uri1> }
```

Syntax Description

show	Show running system information
incompatibility	Show incompatible configurations
system	show incompatibilities with an image
<i>uri0</i>	Enter image uri
nxos	show incompatibilities with an image
<i>uri1</i>	Enter image uri

Command Mode

- /exec

show install

show install { inactive | active [brief] | committed }

Syntax Description

show	Show running system information
install	Install related show commands
inactive	Inactive packages
active	Active packages
brief	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
committed	Committed packages

Command Mode

- /exec

show install all failed-standby

show install all failed-standby

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	Show install all information
failed-standby	show log from failed standby

Command Mode

- /exec

show install all failure-reason

show install all failure-reason

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
failure-reason	Show failure reason for the last install all

Command Mode

- /exec

show install all impact

show install all impact [nxos <uri>] + [non-disruptive]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
impact	show impact of the install all command
nxos	(Optional) boot-variable name
<i>uri</i>	(Optional) Enter image uri
non-disruptive	(Optional) non-disruptive show install

Command Mode

- /exec

show install all impact epld

show install all impact epld <uri1>

Syntax Description

show	Show running system information
install	Show the software install status
all	show install all information
impact	show impact of the install all epld command
epld	Show EPLD install information
<i>uri1</i>	Local URI containing EPLD Image

Command Mode

- /exec

show install all progress

show install all progress

Syntax Description

show	Show running system information
install	Show the software install progress
all	show install all information
progress	show progress of the current install all

Command Mode

- /exec

show install all status

show install all status

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
status	show status of the current or last install all

Command Mode

- /exec

show install all time-stats

show install all time-stats [detail | handshake]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
time-stats	show overall time statistics of the last install all
detail	(Optional) show detailed time statistics of the last install all
handshake	(Optional) show handshake time statistics for sysmgr and lc processes of the last install all

Command Mode

- /exec

show install epld status

show install epld status

Syntax Description

show	Show running system information
install	Show the software install status
epld	Show EPLD install information
status	Show status of previous EPLD upgrades

Command Mode

- /exec

show install log

```
show install log { [ <id> | from <id1> ] [ detail ] [ reverse ] | [ last ] }
```

Syntax Description

show	Show running system information
install	Install related show commands
log	log
<i>id</i>	(Optional) Install Identifies
from	(Optional) Starting at this install identifier
<i>idl</i>	(Optional) Install Identifier
detail	(Optional) Detailed information including impacted processes
reverse	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
last	(Optional) Display the logs for last install operation

Command Mode

- /exec

show install mode

show install mode

Syntax Description

show	Show running system information
install	Install related show commands
mode	Display mode and type of booted image

Command Mode

- /exec

show install packages

show install packages

Syntax Description

show	Show running system information
install	Install related show commands
packages	All packages

Command Mode

- /exec

show install patches

show install patches

Syntax Description

show	Show running system information
install	Install related show commands
patches	All Patches

Command Mode

- /exec

show interface

show interface <ifid_brief1> [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brief1</i>	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface

Command Mode

- /exec

show interface

show interface <ifid_brief2> [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brief2</i>	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface

Command Mode

- /exec

show interface

show interface <ifid> [quick]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats

Command Mode

- /exec

show interface

show interface <ifmgmt>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show interface

show interface [controller | quick]

Syntax Description

show	Show running system information
interface	Show interface status and information
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
quick	(Optional) Show info of interface skipping stats

Command Mode

- /exec

show interface

show interface <ifloop>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show interface

show interface <iftun_desc>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_desc</i>	Enter tunnel interface number

Command Mode

- /exec

show interface

show interface <ifeth> [quick]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth</i>	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats

Command Mode

- /exec

show interface

show interface <ifveth>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifveth</i>	Enter interface type and number in module/slot format

Command Mode

- /exec

show interface

show interface <ifrange>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number

Command Mode

- /exec

show interface

show interface <ifrange>

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number

Command Mode

- /exec

show interface aggregate-counters

show interface aggregate-counters [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief

Command Mode

- /exec

show interface aggregate-counters

```
show interface <ifid_aggr_ctrs> aggregate-counters [ brief ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_aggr_ctrs</i>	Enter interface type and number in module/slot format
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief

Command Mode

- /exec

show interface bbcredit

show interface <ifid_bbcrd> bbcredit

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_bbcrd</i>	Enter interface type and number in module/slot format
bbcredit	Show BB_credit information for interface

Command Mode

- /exec

show interface brief

show interface <ifeth_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifid_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifpch_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifpch_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface brief [controller | cli]

Syntax Description

show	Show running system information
interface	Show interface status and information
brief	Show brief info of interface
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
cli	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show interface brief

show interface <ifloop_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <iftunnel_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftunnel_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifmgmt_brf> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_brf</i>	Enter interface type and number in module/slot format
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifrange> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
brief	Show brief info of interface

Command Mode

- /exec

show interface brief

show interface <ifrange> brief

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
brief	Show brief info of interface

Command Mode

- /exec

show interface cable-diagnostics-tdr

show interface <ifid_tdr> cable-diagnostics-tdr

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_tdr</i>	Enter interface type and number in module/slot format
cable-diagnostics-tdr	Show interface tdr test information

Command Mode

- /exec

show interface capabilities

show interface <ifid_eth_cap> capabilities

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_eth_cap</i>	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information

Command Mode

- /exec

show interface capabilities

show interface <ifid_cap> capabilities

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_cap</i>	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information

Command Mode

- /exec

show interface capabilities

show interface capabilities

Syntax Description

show	Show running system information
interface	Show interface status and information
capabilities	Show interface capabilities information

Command Mode

- /exec

show interface chassis-info

show interface chassis-info

Syntax Description

show	Show running system information
interface	Show interface status and information
chassis-info	Show all CHASSIS ports

Command Mode

- /exec

show interface chassis-info detail

show interface chassis-info detail

Syntax Description

show	Show running system information
interface	Show interface status and information
chassis-info	Show all CHASSIS ports
detail	Show detailed Chassis Info

Command Mode

- /exec

show interface counters

show interface <ifrange> counters

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
counters	Show interface counters

Command Mode

- /exec

show interface counters

```
show interface <ifid_ctr> counters [ brief ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
brief	(Optional) Show interface counters in brief

Command Mode

- /exec

show interface counters

show interface <ifid_ctr> counters [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters

show interface counters [module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface counters

show interface counters [non-zero]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
non-zero	(Optional) To display only the non-zero counter values

Command Mode

- /exec

show interface counters

```
show interface <ifeth_ctr_po> counters [ snmp ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_po</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters

show interface <ifeth_ctr> counters

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters

Command Mode

- /exec

show interface counters

show interface <ifrange> counters

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number
counters	Show interface counters

Command Mode

- /exec

show interface counters brief

show interface counters brief [<counter_val>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
brief	Show interface counters in brief
<i>counter_val</i>	(Optional) Specify a single load interval id to show the rates

Command Mode

- /exec

show interface counters brief

```
show interface <ifeth_ctr_brf> counters brief [ <counter_val> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_brf</i>	Enter interface type and number in module/slot format
counters	Show interface counters
brief	Show interface counters in brief
<i>counter_val</i>	(Optional) Specify a single load interval id to show the rates

Command Mode

- /exec

show interface counters detailed

show interface counters detailed [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed

show interface <ifmgmt_ctr_dtl> counters detailed

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters

Command Mode

- /exec

show interface counters detailed

show interface <ifloop_ctr_dtl> counters detailed

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters

Command Mode

- /exec

show interface counters detailed

```
show interface <ifeth_ctr_dtl> counters detailed [ snmp ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifid_ctr_dtl_all> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifmgmt_ctr_dtl_all> counters detailed all

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifmgmt_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter

Command Mode

- /exec

show interface counters detailed all

show interface <ifloop_ctr_dtl_all> counters detailed all

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifloop_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter

Command Mode

- /exec

show interface counters detailed all

show interface <ifrange> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifeth_ctr_dtl_all> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed cached

show interface <ifeth_ctr_dtl_all> counters detailed cached

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_dtl_all</i>	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
cached	everything cached

Command Mode

- /exec

show interface counters details

show interface <ifid_ctr_det> counters details

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_det</i>	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail

Command Mode

- /exec

show interface counters details

show interface <ifid_ctr_det2> counters details

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_ctr_det2</i>	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail

Command Mode

- /exec

show interface counters errors

show interface <ifeth_ctr_errs> counters errors [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_errs</i>	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters errors

show interface counters errors [module <module>] [non-zero]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
errors	Show interface error counters
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
non-zero	(Optional) Display only the non-zero error values

Command Mode

- /exec

show interface counters errors

show interface <loop_ctr_errs> counters errors

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>loop_ctr_errs</i>	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters

Command Mode

- /exec

show interface counters fc

show interface counters fc [brief]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
fc	Show interface counters for fc interfaces
brief	(Optional) Show interface counters for fc interfaces in brief

Command Mode

- /exec

show interface counters snmp

show interface <ifeth_ctr> counters snmp

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr</i>	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	Show SNMP MIB values

Command Mode

- /exec

show interface counters snmp

show interface counters snmp [module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
snmp	Show SNMP MIB values
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface counters storm-control

show interface counters storm-control [details | module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
storm-control	Show interface storm-control counters
module	(Optional) Limit display to interfaces on module
details	(Optional) Show interface storm-control counters details
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface counters storm-control

```
show interface <ifeth_ctr_stm_ctrl> counters storm-control [ details ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_stm_ctrl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
details	(Optional) Show interface storm-control counters details

Command Mode

- /exec

show interface counters storm-control multi-threshold

show interface <ifeth_ctr_stm_ctrl> counters storm-control multi-threshold [unicast | broadcast | multicast]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_stm_ctrl</i>	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
multi-threshold	multi-level storm control
unicast	(Optional) Unicast traffic information
broadcast	(Optional) Broadcast traffic information
multicast	(Optional) Multicast traffic information

Command Mode

- /exec

show interface counters table

show interface counters table [verbose]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
table	format counters in a table
verbose	(Optional) show errors counts after counters

Command Mode

- /exec

show interface counters trunk

show interface <ifeth_ctr_trnk> counters trunk

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_ctr_trnk</i>	Enter interface type and number in module/slot format
counters	Show interface counters
trunk	Show interface trunk counters

Command Mode

- /exec

show interface dampening

show interface dampening

Syntax Description

show	Show running system information
interface	Show interface status and information
dampening	Show interface dampening info

Command Mode

- /exec

show interface debounce

show interface debounce

Syntax Description

show	Show running system information
interface	Show interface status and information
debounce	Show interface debounce time information

Command Mode

- /exec

show interface debounce

```
show interface <ifeth_dbnc> debounce
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_dbnc</i>	Enter interface type and number in module/slot format
debounce	Show interface debounce time information

Command Mode

- /exec

show interface description

show interface <ifrange> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid_desc1> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_desc1</i>	Enter interface type and number in module/slot format
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
description	Interface specific description

Command Mode

- /exec

show interface description

show interface description

Syntax Description

show	Show running system information
interface	Show interface status and information
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid_mgmt_loop> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_mgmt_loop</i>	Enter interface type and number in module/slot format
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifid_eth> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_eth</i>	Enter interface type and number in module/slot format
description	Show interface description

Command Mode

- /exec

show interface description

show interface <iftun_desc> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_desc</i>	Enter tunnel interface number
description	Show interface description

Command Mode

- /exec

show interface description

show interface <ifrange> description

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
description	Show interface description

Command Mode

- /exec

show interface detail-counters

show interface detail-counters

Syntax Description

show	Show running system information
interface	Show interface status and information
detail-counters	Show interface counters in detail

Command Mode

- /exec

show interface fcoe

show interface <ifeth_fcoe> fcoe

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_fcoe</i>	Enter interface type and number in module/slot format
fcoe	Show interface fcoe information

Command Mode

- /exec

show interface fec

show interface fec

Syntax Description

show	Show running system information
interface	Show interface status and information
fec	Show interface fec list

Command Mode

- /exec

show interface flowcontrol

show interface <ifeth_fl_ctrl> flowcontrol

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_fl_ctrl</i>	Enter interface type and number in module/slot format
flowcontrol	Show interface flowcontrol information

Command Mode

- /exec

show interface flowcontrol

show interface flowcontrol [module <module>]

Syntax Description

show	Show running system information
interface	Show interface status and information
flowcontrol	Show interface flowcontrol information
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show interface hardware-mappings

show interface hardware-mappings [json]

Syntax Description

show	Show running system information
interface	Interface
hardware-mappings	Show hardware port number and unit information for interfaces
json	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show interface mac-address

show interface mac-address

Syntax Description

show	Show running system information
interface	Show interface status and information
mac-address	Show interface MAC address

Command Mode

- /exec

show interface mac-address

show interface <ifid_macaddr> mac-address

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_macaddr</i>	Enter interface type and number in module/slot format
mac-address	Show interface MAC address

Command Mode

- /exec

show interface priority-flow-control

show interface [<if_list>] priority-flow-control [detail] [module <module>]

Syntax Description

show	commands to display
interface	Interface for displaying pfc information
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics

Command Mode

- /exec

show interface private-vlan mapping

show interface [<if>] private-vlan mapping

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>if</i>	(Optional) Vlan Interface number
private-vlan	Show interface private vlan information
mapping	Show interface private vlan information

Command Mode

- /exec

show interface pruning

show interface pruning

Syntax Description

show	Show running system information
interface	Show interface status and information
pruning	Show interface trunk VTP pruning information

Command Mode

- /exec

show interface queuing-drop history brief

show interface [<ifindex>] queuing-drop history brief <type>

Syntax Description

show	Show running system information
interface	Show interface interface
<i>ifindex</i>	(Optional) Enter interface type and number in module/slot format
queuing-drop	Show interface queuing-drop
history	Show interface queuing-drop history
brief	Show interface queuing-drop history brief
<i>type</i>	Show interface queuing-drop history detail type

Command Mode

- /exec

show interface queuing-drop history detail

show interface <ifindex> queuing-drop history detail <type>

Syntax Description

show	Show running system information
interface	Show interface interface
<i>ifindex</i>	Enter interface type and number in module/slot format
queuing-drop	Show interface queuing-drop
history	Show interface queuing-drop history
detail	Show interface queuing-drop history detail
<i>type</i>	Show interface queuing-drop history detail type

Command Mode

- /exec

show interface snmp-ifindex

show interface snmp-ifindex

Syntax Description

show	Show running system information
interface	Show interface status and information
snmp-ifindex	Show snmp ifindex list

Command Mode

- /exec

show interface status

show interface <ifeth_status> status

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_status</i>	Enter interface type and number in module/slot format
status	Show interface line status

Command Mode

- /exec

show interface status

show interface <ifid> status

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
status	Interface status

Command Mode

- /exec

show interface status

show interface status [down | inactive | module <module> | up | auto-column]

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
down	(Optional) Show interface down state
inactive	(Optional) Show interface inactive state
auto-column	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
up	(Optional) Show interface up state

Command Mode

- /exec

show interface status

show interface <ifid_status> status

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_status</i>	Enter interface type and number in module/slot format
status	Show interface line status

Command Mode

- /exec

show interface status

show interface <iftun_status> status [err-disabled]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>iftun_status</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state

Command Mode

- /exec

show interface status

show interface <ifrange> status [err-disabled]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state

Command Mode

- /exec

show interface status

show interface <ifrange> status [err-disabled]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifrange</i>	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state

Command Mode

- /exec

show interface status err-disabled

show interface status err-disabled

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-disabled	Show interface error disabled state

Command Mode

- /exec

show interface status err-disabled

show interface <ifeth_errdis> status err-disabled

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
<i>ifeth_errdis</i>	Enter interface type and number in module/slot format
err-disabled	Show interface error disabled state

Command Mode

- /exec

show interface status err-vlans

show interface status err-vlans

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-vlans	Show errored vlans

Command Mode

- /exec

show interface status err-vlans

show interface <ifeth_errvlans> status err-vlans

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_errvlans</i>	Enter interface type and number in module/slot format
status	Show interface line status
err-vlans	Show errored vlans

Command Mode

- /exec

show interface storm-control multi-threshold

show interface storm-control multi-threshold

Syntax Description

show	Show running system information
interface	Show interface status and information
storm-control	Show interface storm-control counters
multi-threshold	multi-level storm control

Command Mode

- /exec

show interface switchport

show interface switchport

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information

Command Mode

- /exec

show interface switchport

show interface <ifeth_swth> switchport

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_swth</i>	Enter interface type and number in module/slot format
switchport	Show interface switchport information

Command Mode

- /exec

show interface switchport backup

show interface switchport backup [detail]

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information
backup	Show interface backup
detail	(Optional) Backup interface info in detail

Command Mode

- /exec

show interface transceiver

show interface transceiver [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver

show interface <ifid_trns_fc> transceiver [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_trns_fc</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver

show interface <ifid_transceiver> transceiver [calibrations | details | sprom]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_transceiver</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
sprom	(Optional) Show interface transceiver sprom information

Command Mode

- /exec

show interface transceiver alarms

show interface <ifeth_trans> transceiver alarms

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trans</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
alarms	Show performance-monitoring alarm information

Command Mode

- /exec

show interface transceiver fex-fabric

show interface <ifeth_trans> transceiver fex-fabric [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trans</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver fex-fabric

show interface transceiver fex-fabric [calibrations | details]

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information

Command Mode

- /exec

show interface transceiver performance-monitoring current fec

```
show interface <ifeth_trans> transceiver performance-monitoring current <bucket_interval> { fec | optics }
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trans</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
performance-monitoring	Show performance monitoring information
current	Show current transceiver pm information
<i>bucket_interval</i>	bucket_interval
fec	Show performance-monitoring data of fec layer
optics	Show performance-monitoring data of optics layer

Command Mode

- /exec

show interface transceiver performance-monitoring history fec interval

```
show interface <ifeth_trans> transceiver performance-monitoring history <bucket_interval> { fec | optics }
interval <interval_value>
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trans</i>	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
performance-monitoring	Show performance monitoring information
history	Show history transceiver pm information
<i>bucket_interval</i>	interval period
fec	Show performance-monitoring data of fec layer
optics	Show performance-monitoring data of optics layer
interval	Show performance-monitoring data for a specific interval value
<i>interval_value</i>	Select interval value to show performance-monitoring history data

Command Mode

- /exec

show interface trunk

show interface trunk [module <module> | vlan <vlan_id> | fex <fex_num>]

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
module	(Optional) Limit display to interfaces on module
<i>module</i>	(Optional) Enter module number
fex	(Optional) Limit display to interfaces on a FEX
<i>fex_num</i>	(Optional) Enter FEX number
vlan	(Optional) Show per vlan information for trunk
<i>vlan_id</i>	(Optional) Enter vlan range
<i>interface</i>	(Optional) Interface index

Command Mode

- /exec

show interface trunk

show interface <ifeth_trnk> trunk

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifeth_trnk</i>	Enter interface type and number in module/slot format
trunk	Show interface trunk information

Command Mode

- /exec

show interface trunk vsan

```
show interface <ifid_trnk> trunk vsan [ <vsan_id> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifid_trnk</i>	Enter interface type and number in module/slot format
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
<i>vsan_id</i>	(Optional) Enter vsan range

Command Mode

- /exec

show interface trunk vsan

show interface trunk vsan [<vsan_id>]

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
<i>vsan_id</i>	(Optional) Enter vsan range

Command Mode

- /exec

show interface untagged-cos

```
show interface untagged-cos [ module <mod_num> ]
```

Syntax Description

show	Show running system information
interface	Show interface status and information
untagged-cos	Show interface untagged CoS information
module	(Optional) Limit display to interfaces on module
<i>mod_num</i>	(Optional) Enter module number

Command Mode

- /exec

show interface vlan mapping

show interface <ifindex> vlan mapping

Syntax Description

show	Show running system information
interface	Show interface status and information
<i>ifindex</i>	Enter interface type and number in module/slot format
vlan	Show VLAN information
mapping	VLAN translation mapping

Command Mode

- /exec

show inventory

show inventory [chassis | fans | power_supply | module [<module>] | <s0> [<santa-cruz-range>] | all]

Syntax Description

show	Show running system information
inventory	system inventory information
chassis	(Optional) system inventory chassis information
fans	(Optional) system inventory fan information
power_supply	(Optional) system inventory power supply information
module	(Optional) system inventory module information
<i>module</i>	(Optional) please enter the module number
<i>s0</i>	(Optional) please enter the module number
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
all	(Optional) system and transceiver inventory information

Command Mode

- /exec

show ip adjacency

show ip adjacency [<interface> [summary] | <ip-addr> [non-best [detail] | detail] | detail | summary | non-best [detail] | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
adjacency	Display adjacency table
<i>interface</i>	(Optional) Display specific interface adjacencies only
<i>ip-addr</i>	(Optional) IPV4 source address
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency 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) Show adjacency entries for all vrfs

Command Mode

- /exec

show ip amt relay

```
show { ip | ipv6 } amt relay [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
amt	AMT show commands
relay	Display status information about the AMT Relay

Command Mode

- /exec

show ip amt route

```
show { ip | ipv6 } amt route [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
amt	AMT show commands
route	Display multicast routes learned via AMT

Command Mode

- /exec

show ip amt tunnel

```
show ip amt tunnel [ <address4> <port> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
ip	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>address4</i>	(Optional) IP address of tunnel endpoint
<i>port</i>	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint

Command Mode

- /exec

show ip arp

```
show ip arp [ [ [ <ip-address> | [ sync-entries | fhrp-non-active-learn ] [ detail ] | static | summary | [ summary
] <interface> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ] ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
summary	(Optional) Display ARP adjacency summary
detail	(Optional) Display detailed information
sync-entries	(Optional) Display ARP table learnt only due to arp table sync
fhrp-non-active-learn	(Optional) Display ARP table learnt only due to request for non-active FHRP address
<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) Display ARP entries for all vrfs
static	(Optional) Display Static ARP entries

Command Mode

- /exec

show ip arp anycast topo-info

show ip arp anycast topo-info [<topo-id>]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
anycast	anycast feature info
topo-info	Per topology specific information
<i>topo-id</i>	(Optional) Topology ID (VLAN-ID or BD-ID)

Command Mode

- /exec

show ip arp client

show ip arp client

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
client	Display ARP Client table

Command Mode

- /exec

show ip arp controller-statistics

show ip arp controller-statistics

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
controller-statistics	Controller statistics

Command Mode

- /exec

show ip arp inspection

show ip arp inspection

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection

Command Mode

- /exec

show ip arp inspection interfaces

show ip arp inspection interfaces [<intf1>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
interfaces	Trust status of all interfaces
<i>intf1</i>	(Optional) interface

Command Mode

- /exec

show ip arp inspection log

show ip arp inspection log

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
log	Log Buffer

Command Mode

- /exec

show ip arp inspection statistics

show ip arp inspection statistics [vlan <vlan-range>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
statistics	Status of ARP Inspection
vlan	(Optional) Selected vlan range
<i>vlan-range</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip arp inspection vlan

```
show ip arp inspection { vlan <vlan-range> }
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
vlan	Selected vlan range
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip arp l2 statistics interface

show ip arp l2 statistics interface { <interface> | all }

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
l2	Display ARP L2 port level info
statistics	Display ARP statistics
interface	ARP interface
<i>interface</i>	ARP interface
all	Display ARP statistics for all interface

Command Mode

- /exec

show ip arp multihoming-statistics

```
show ip arp multihoming-statistics [ <interface> ] [ interface-all ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
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) Display ARP Multihoming statistics for all vrfs
interface-all	(Optional) Display ARP Multihoming statistics for all interface
<i>interface</i>	(Optional) ARP interface

Command Mode

- /exec

show ip arp off-list

```
show ip arp off-list [ { vlan | bdi } <vlan-id> ]
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
off-list	Show adjacencies in off-list arp database
vlan	(Optional) Vlan id
bdi	(Optional) Bridge Domain Name/Id
<i>vlan-id</i>	(Optional) Show information for specified vlan

Command Mode

- /exec

show ip arp open-flow error-statistics

show ip arp open-flow error-statistics

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
open-flow	open flow
error-statistics	IR mode specific adjacency statistics

Command Mode

- /exec

show ip arp static remote

```
show ip arp static remote [ vlan <vlan-id> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
static	Display Static ARP entries
remote	Remote entries
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show entries for all vrfs

Command Mode

- /exec

show ip arp statistics

show ip arp statistics [<interface>] [interface-all] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
statistics	Display 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) Display ARP statistics for all vrfs
interface-all	(Optional) Display ARP statistics for all interface
<i>interface</i>	(Optional) ARP interface

Command Mode

- /exec

show ip arp suppression-cache

```
show ip arp suppression-cache { detail [ vlan <vlan_id> ] | summary | statistics | vlan <vlan_id> | local [ vlan
<vlan_id> ] | remote [ vlan <vlan_id> ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
suppression-cache	arp-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
<i>vlan_id</i>	(Optional) Vlan

Command Mode

- /exec

show ip arp suppression topo-info

show ip arp suppression topo-info [<topo-id>]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
suppression	ARP-suppression based event
topo-info	E-VPN identifier
<i>topo-id</i>	(Optional) E-VPN identifier (VLAN-ID or BD-ID)

Command Mode

- /exec

show ip arp tunnel-statistics

show ip arp tunnel-statistics

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
tunnel-statistics	Display ARP statistics for tunneled packets

Command Mode

- /exec

show ip arp vpc-statistics

show ip arp vpc-statistics

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
vpc-statistics	Show vPC global statistics

Command Mode

- /exec

show ip as-path-access-list

show ip as-path-access-list [<aspl-name> | <aspl-cfg-name>]

Syntax Description

show	Show running system information
ip	Display IP information
as-path-access-list	List AS path access lists
<i>aspl-name</i>	(Optional) AS path access list name
<i>aspl-cfg-name</i>	(Optional) Known as-path access-list name

Command Mode

- /exec

show ip client

show ip client [<client-name>]

Syntax Description

show	Show running system information
ip	Display IP information
client	Display clients registered with the IP process
<i>client-name</i>	(Optional) Display information for a single IP client

Command Mode

- /exec

show ip community-list

show ip community-list [<cl_name>]

Syntax Description

show	Show running system information
ip	Display IP information
community-list	List community-list
<i>cl_name</i>	(Optional) Standard or expanded community-list name

Command Mode

- /exec

show ip dhcp global statistics

show ip dhcp global statistics

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
global	DHCP global stats
statistics	Statistics related to DHCP

Command Mode

- /exec

show ip dhcp option82 suboption info interface

show ip dhcp option82 suboption info interface [<intf>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
option82	DHCP option82
suboption	DHCP option82 suboption
info	DHCP option82 suboption information
interface	DHCP option82 suboption information of all interfaces
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp relay

show ip dhcp relay

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
relay	DHCP relay

Command Mode

- /exec

show ip dhcp relay address

show ip dhcp relay address [interface <intf-range>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	relay address of the interface
address	DHCP relay address
interface	(Optional) DHCP relay address of the interface
<i>intf-range</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp relay information trusted-sources

show ip dhcp relay information trusted-sources

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	DHCP Relay
information	Relay information
trusted-sources	Relay Trusted Sources

Command Mode

- /exec

show ip dhcp relay statistics

```
show ip dhcp relay statistics [ interface <intf> | { interface <intf> serverip <ip-addr-val> [ use-vrf <vrf-name> ] } ]
```

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
relay	DHCP Relay
statistics	Statistics related to DHCP
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

show ip dhcp snooping

show ip dhcp snooping

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping

Command Mode

- /exec

show ip dhcp snooping binding

show ip dhcp snooping binding [<ip> | <mac> | vlan <vlan-range> |

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping
binding	DHCP snooping bindings
<i>ip</i>	(Optional) Binding entry IP address
<i>mac</i>	(Optional) Binding entry MAC address
vlan	(Optional) Binding entry VLAN
<i>vlan-range</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip dhcp snooping statistics

show ip dhcp snooping statistics [{ vlan <vlan-id> interface <intf> } |

Syntax Description

<i>vlan-id</i>	(Optional)]
show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
snooping	DHCP snooping
statistics	Statistics related to DHCP
vlan	(Optional) VLAN
interface	(Optional) input interface
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ip dhcp status

show ip dhcp status

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
status	Current CLI command and execution status of the last command

Command Mode

- /exec

show ip dns source-interface

```
show ip dns source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
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

show ip dns source-interface vrf all

show ip dns source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip eigrp

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

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

Command Mode

- /exec

show ip eigrp accounting

show { ip | ipv6 } eigrp [<eigrp-ptag>] accounting [vrf { <vrf-name> | <vrf-known-name> | all }]

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
accounting	IP-EIGRP Accounting

Command Mode

- /exec

show ip eigrp interfaces

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] interfaces [ detail ] [ <interface> ] [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

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
interfaces	IP-EIGRP interfaces
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface</i>	(Optional) Interface
brief	(Optional) Show summary information only

Command Mode

- /exec

show ip eigrp traffic

```
show { ip | ipv6 } eigrp [ <eigrp-ptag> ] traffic [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

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
traffic	IP-EIGRP Traffic Statistics

Command Mode

- /exec

show ip extcommunity-list

show ip extcommunity-list [<extcl_name>]

Syntax Description

show	Show running system information
ip	Display IP information
extcommunity-list	List extcommunity-list
<i>extcl_name</i>	(Optional) Standard or expanded community-list name

Command Mode

- /exec

show ip fib distribution

show ip fib distribution [pauz | rezum]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution information
pauz	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rezum	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip fib distribution mroute

show ip fib distribution mroute [{ <group> | <gprefix> } [<source>]] [table <id>]

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
mroute	MFDM IP multicast routing table
<i>group</i>	(Optional) IPv4 Multicast Group Address
<i>gprefix</i>	(Optional) IPv4 Multicast Group Prefix
<i>source</i>	(Optional) IPv4 Source Address
table	(Optional) Specify Multicast Routing Table
<i>id</i>	(Optional) Multicast Routing Table Identifier

Command Mode

- /exec

show ip fib distribution multicast

show ip fib distribution multicast [messages]

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information

Command Mode

- /exec

show ip fib mroute

show ip fib mroute [{ <group> | <gprefix> } [<source>]] [table <table-id>] [module <module>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	Multicast IPv4 routes
<i>group</i>	(Optional) Multicast IPv4 Group Address
<i>gprefix</i>	(Optional) Multicast IPv4 Group Prefix
<i>source</i>	(Optional) Multicast IPv4 Source Address
table	(Optional) display info per vpn-id
<i>table-id</i>	(Optional) table-id
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show ip fib route

```
show ip fib route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> ] [ summary | <prefix>
[ longer-prefixes ] | <address> | interface <interface> | next-hop <nh> | attached | unresolved | adjacency {
<aif> <anh> | drop | glean | punt } ] [ module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all>
} ] +
```

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
route	display IP routing table
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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>table_id</i>	(Optional) table number
summary	(Optional) display route counts
<i>prefix</i>	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
<i>address</i>	(Optional) display single longest match route
interface	(Optional) display routes with this output i/f only
<i>interface</i>	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
<i>nh</i>	(Optional) next hop address
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display adjacency information
<i>aif</i>	(Optional) adjacency output interface
<i>anh</i>	(Optional) adjacency next-hop address

drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
<i>module</i>	(Optional) slot number

Command Mode

- /exec

show ip ftp source-interface

```
show ip ftp source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
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

show ip ftp source-interface vrf all

show ip ftp source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip http source-interface

```
show ip http source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
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

show ip http source-interface vrf all

show ip http source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip igmp groups

```
show ip igmp { groups | route } [ <source> [ <group> ] | <group> [ <source> ] ] [ <interface> ] [ summary ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] [ summary-old ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
groups	Display IGMP attached group membership information
route	Display IGMP attached group membership information
<i>group</i>	(Optional) Multicast IP address of single group to display
<i>source</i>	(Optional) Source 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) Display information for all VRFs
<i>interface</i>	(Optional) Display group membership on single interface name
summary	(Optional) Display group summary
summary-old	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp interface

```
show ip igmp interface [ <interface> ] [ brief ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
interface	Display IGMP interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per 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
detail	(Optional) Display detailed information
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp local-groups

```
show ip igmp local-groups [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
local-groups	Display IGMP local group membership information
<i>interface</i>	(Optional) Display group membership on single interface name
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

show ip igmp policy statistics reports

show ip igmp policy statistics reports [<interface>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Show IGMP related information
policy	Policy related information
statistics	Policy statistics
reports	IGMP reports
<i>interface</i>	(Optional) Interface to display statistics for

Command Mode

- /exec

show ip igmp snooping

```
show ip igmp snooping [ { vlan <vlan> | bridge-domain <bdid> } ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
vlan	(Optional) Display VLAN IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
<i>bdid</i>	(Optional) Specify BD
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp snooping explicit-tracking

show ip igmp snooping explicit-tracking [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
explicit-tracking	Display explicit-tracking database for IGMPv3
vlan	(Optional) Display Vlan explicit-tracking database
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD explicit-tracking database
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detail info regarding host and vPC

Command Mode

- /exec

show ip igmp snooping filter details

show ip igmp snooping filter [vlan <vlan_id>] details

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
details	Shows different Filter configurations

Command Mode

- /exec

show ip igmp snooping groups

```
show ip igmp snooping [ otv | remote ] groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ vlan
<vlan> | bridge-domain <bdid> ] [ detail ] [ summary ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	(Optional) IGMP Snooping OTV information
remote	(Optional) IGMP Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
<i>group</i>	(Optional) Multicast IP address of single group to display
<i>source</i>	(Optional) Source IP address
vlan	(Optional) Display VLAN IGMP snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information for the group
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp snooping lookup-mode

show ip igmp snooping lookup-mode [vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
lookup-mode	IGMP Snooping lkup mode information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ip igmp snooping mac-oif

show ip igmp snooping mac-oif [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mac-oif	IGMP Snooping static mac oif information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) static mac oif detail, M2RIB oif info

Command Mode

- /exec

show ip igmp snooping mrouter

show ip igmp snooping mrouter [otv] [vlan <vlan> | bridge-domain <bdid>] [detail] [serialize]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mrouter	Display multicast routers detected
otv	(Optional) IGMP Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
<i>bdid</i>	(Optional) Specify BD
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp snooping otv vlan brief

show ip igmp snooping otv vlan brief

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	IGMP Snooping OTV information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ip igmp snooping pw vlan brief

show ip igmp snooping pw vlan brief

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
pw	IGMP Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ip igmp snooping querier

show ip igmp snooping querier [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN IGMP snooping querier information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping querier information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip igmp snooping report statistics

show ip igmp snooping { report-policy | access-group } statistics [vlan <vlan>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
report-policy	IGMP Report Policy
access-group	IGMP access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN IGMP snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

Command Mode

- /exec

show ip igmp snooping statistics

show ip igmp snooping statistics [global | vlan <vlan> | bridge-domain <bdid>] [serialize]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
statistics	Display packet/error counter statistics
global	(Optional) Display global statistics
vlan	(Optional) Display VLAN statistics
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD statistics
<i>bdid</i>	(Optional) Specify BD
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip igmp vrf all

show ip igmp vrf all

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
vrf	Display per-VRF information
all	Display information for all VRFs

Command Mode

- /exec

show ip interface

```
show ip interface { { { brief [ include-secondary ] } } | [ <interface> ] | [ <ip-addr> ] } [ operational ] [ vaddr ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
interface	Display IP related interface information
brief	Display summary of IP interface status and configuration
include-secondary	(Optional) Display summary of all IP addresses
operational	(Optional) Display only interfaces that are administratively enabled
<i>interface</i>	(Optional) Interface name to display
<i>ip-addr</i>	(Optional) Display interface for local 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) Display all VRFs
vaddr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip large-community-list

show ip large-community-list [<lgcl_name>]

Syntax Description

show	Show running system information
ip	Display IP information
large-community-list	List large-community-list
<i>lgcl_name</i>	(Optional) Standard or expanded large-community-list name

Command Mode

- /exec

show ip lisp

```
show { ip | ipv6 } lisp [ database ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
database	(Optional) Show EID-prefixes configured for site
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp data-cache

```
show ip lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
lisp	LISP show commands
data-cache	Display EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Display 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

show ip lisp locator-hash

```
{ { show ip lisp locator-hash { <eid-prefix> | { <source-eid> <dest-eid> } } [ vrf { <vrf-name> | <vrf-known-name> } ] } | { show ipv6 lisp locator-hash { <eid-prefix6> | { <source-eid6> <dest-eid6> } } [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
locator-hash	Display source and dest locators for EID pair
<i>source-eid</i>	Source IPv4 endpoint identifier (EID)
<i>dest-eid</i>	Destination IPv4 endpoint identifier (EID)
<i>eid-prefix</i>	Display exact match for IP EID-prefix entry
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp map-cache

```
{ { show ip lisp map-cache [ <eid> | <eid-prefix> | detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] } | {
show ipv6 lisp map-cache [ <eid6> | <eid-prefix6> | detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
map-cache	Display EID-to-RLOC cache mapping in this ITR
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
detail	(Optional) Display entire map-cache in long format

Command Mode

- /exec

show ip lisp statistics

```
show { ip | ipv6 } lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
statistics	Display global LISP statistics
vrf	(Optional) Display statistics information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip lisp translate-cache

```
{ show ip lisp translate-cache [ <nrEID> ] } | { show ipv6 lisp translate-cache [ <nrEID6> ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
lisp	LISP show commands
translate-cache	Display configured translation cache
<i>nrEID</i>	(Optional) IPv4 address of inside non-routable EID
<i>nrEID6</i>	(Optional) IPv6 address of inside non-routable EID

Command Mode

- /exec

show ip load-sharing

show ip load-sharing

Syntax Description

show	Show running system information
ip	Configure IP features
load-sharing	Display global loadbalance info

Command Mode

- /exec

show ip local policy

```
show ip local policy [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
local	IP local options
policy	Policy routing
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

show ip logging

show ip logging [hash]

Syntax Description

show	Show running system information
ip	Display IP information
logging	Display IP policy logging table
hash	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip mbgp

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } { route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | {
community-list { <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommmlist-name> |
<test_pol_name> } } [ exact-match ] } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>commlist-name</i>	Name of community-list
<i>extcommmlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast | mdt } |
all } ] } } [ <ip-addr> [ <ip-mask> [ longer-prefixes ] ] | <ip-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>ip-addr</i>	(Optional) Display one particular network from the BRIB in detail
<i>ip-mask</i>	(Optional) Mask for one particular prefix in the BRIB
<i>ip-prefix</i>	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
mdt	(Optional) Display BGP information for multicast distribution tree
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp community

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name>
| <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
community	Display routes matching the BGP communities
<i>regexp-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp dampening

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } dampening { dampened-paths [ regexp <regexp-str> ] | flap-statistics | parameters | history-paths [ regexp
<regexp-str> ] } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
dampened-paths	Display all dampened paths
flap-statistics	Display flap statistics for routes
parameters	Display dampening parameters
history-paths	Display all history paths
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ip mbgp extcommunity

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { ipv4 { unicast | multicast } | all }
] } } extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>regexp-str</i>	Regular expression to match the extcommunities
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ip mbgp flap-statistics

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
<i>ip-prefix</i>	(Optional) Display flap statistics for one prefix
<i>ip-addr</i>	(Optional) Display flap statistics for one network
<i>ip-mask</i>	(Optional) Network mask
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp neighbors

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } neighbors { [ { <neighbor-id> | <ipv6-neighbor-id> } [ routes [ advertised | received | dampened ] |
advertised-routes | received-routes | paths | flap-statistics ] ] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id>
| <neighbor-interface> } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	Display details for a prefix peering
<i>neighbor-interface</i>	Display details for BGP interface peering
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ip mbgp nexthop-database

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } nexthop-database [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp nexthop

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } nexthop
<ipnexthop> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
<i>ipnexthop</i>	Nexthop address
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp prefix-list

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } }
prefix-list { <prfxlist-name> | <test_pol_name> } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
<i>test_pol_name</i>	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp received-paths

```
show ip { mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | { bgp [ vrf {
<vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ { ipv4 { unicast | multicast } | all }
] } } received-paths [ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip mroute

```
show ip mroute [ [ bitfield ] [ detail ] ] | rp | [ summary [ count | software-forwarded | rpf-failed ] ] | { { [ sr
[ <group> [ <source> ] ] [ summary ] ] | [ sr umnat [ <source> <destination> ] ] } | [ <source> <group> ] |
[ <group> [ <source> ] ] | [ <gprefix> exact ] ] [ shared-tree | source-tree | mofrr ] [ [ flags ] | [ detail ] | [
bitfield ] ] [ summary [ software-forwarded | rpf-failed ] ] } ] [ vrf { <vrf-name> | <vrf-known-name> | all
} ]
```

Syntax Description

show	Show running system information
ip	Display IP 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
mroute	Display IP multicast routing table
summary	(Optional) Display route counts and packet rates
shared-tree	(Optional) Display route for *,G entries
source-tree	(Optional) Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sr	(Optional) Display Service Reflect Routes only
umnat	(Optional) Display Service Reflect UMNAT Routes only
mofrr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>group</i>	(Optional) Display multicast group/source address for route
<i>source</i>	(Optional) Display group/source address for route
<i>destination</i>	(Optional) Display destination address for route
<i>gprefix</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
count	(Optional) Display route counts only
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display detailed route attributes

flags	(Optional) Display detailed route attributes
exact	(Optional) Exactly match the given mask length

Command Mode

- /exec

show ip msdp count

show ip msdp count [<asn>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
count	Display SA cache counters
<i>asn</i>	(Optional) AS number
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

show ip msdp mesh-group

```
show ip msdp mesh-group [ <mesh-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
mesh-group	Display members of mesh-group
<i>mesh-group</i>	(Optional) Display single mesh-group
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

show ip msdp peer

show ip msdp peer [<peer-address>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP 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
peer	Display MSDP peer information
<i>peer-address</i>	(Optional) IP address of MSDP peer

Command Mode

- /exec

show ip msdp policy statistics sa-policy in

```
show ip msdp policy statistics sa-policy <peer-address> { in | out } [ vrf { <vrf-name> | <vrf-known-name>
} ]
```

Syntax Description

show	Show running system information
ip	Display IP information
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) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip msdp rpf

```
show ip msdp rpf <rp-address> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
rpf	Display RPF-peer for RP address
<i>rp-address</i>	IP address of RP
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

show ip msdp sa

```
show ip msdp { sa-cache | route } [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <asn> ] [ peer
<peer> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP 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
route	Display MSDP SA route cache
sa-cache	Display MSDP SA route cache
<i>source</i>	(Optional) Display group/source address for SA
<i>group</i>	(Optional) Display group/source address for SA
<i>asn</i>	(Optional) AS number
detail	(Optional) Display detailed information
peer	(Optional) Display MSDP SA received from single peer
<i>peer</i>	(Optional) IP address of peer for SA

Command Mode

- /exec

show ip msdp sources

show ip msdp sources [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
sources	Display learned sources with their group counts and limits
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

show ip msdp statistics

```
show ip msdp statistics [ <peer-address> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
statistics	Display internal statistics
<i>peer-address</i>	(Optional) IP address of MSDP peer
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

show ip msdp summary

show ip msdp summary [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP 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
summary	Display MSDP peer summary

Command Mode

- /exec

show ip multicast vrf

show ip multicast vrf [<vrf-name> | <vrf-known-name> | all] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
multicast	Display multicast routing info
vrf	Display 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
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip nat-alias

show ip nat-alias

Syntax Description

show	Show running system information
ip	Display IP information
nat-alias	Display aliases registered by NAT module

Command Mode

- /exec

show ip nat max

show ip nat max

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
max	IP NAT max values

Command Mode

- /exec

show ip nat statistics

show ip nat statistics

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
statistics	Translation statistics

Command Mode

- /exec

show ip nat timeout

show ip nat timeout

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
timeout	IP NAT timeout values

Command Mode

- /exec

show ip nat translations

show ip nat translations [vrf { <vrf-name> | <vrf-known-name> | all }] [verbose] [internal-detail]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
translations	Translation entries
verbose	(Optional) Show extra 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 all vrfs
internal-detail	(Optional) Display internal debugs

Command Mode

- /exec

show ip ospf

```
show ip ospf [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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

Command Mode

- /exec

show ip ospf border-routers

```
show ip ospf [ <tag> ] border-routers [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
border-routers	Border routers

Command Mode

- /exec

show ip ospf database

```
show ip ospf [ <tag> ] database [ [ [ network | asbr-summary | summary | router | opaque-link | opaque-area
[ type { router-information | ext-prefix | ext-link } ] | nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag
<tag_val> ] | opaque-as ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ] ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs
opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name

<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>ext_tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>type</i>	(Optional) Opaque type
<i>router-information</i>	(Optional) Router Information (RI) Opaque LSA
<i>ext-prefix</i>	(Optional) Extended Prefix Opaque LSA
<i>ext-link</i>	(Optional) Extended Link Opaque LSA
<i>tag</i>	(Optional)

Command Mode

- /exec

show ip ospf database database-summary

```
show ip ospf [ <tag> ] database database-summary [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
database	Link-state Database Summary
database-summary	Summary of database

Command Mode

- /exec

show ip ospf database detail

```
show ip ospf [ <tag> ] database [ [ network | asbr-summary | summary | router | opaque-link | opaque-area
[ type { router-information | ext-prefix | ext-link } ] | nssa-external ] [ area <area-id-ip> ] ] | external [ ext_tag
<tag_val> ] | opaque-as ] [ <lsid> ] [ self-originated | adv-router <adv-id> | adv-router-name <adv-name> ]
detail [ private ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs
opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>adv-id</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name

<i>adv-name</i>	(Optional) DNS Name of the Advertising router
<i>area</i>	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
<i>ext_tag</i>	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
<i>type</i>	(Optional) Opaque type
<i>router-information</i>	(Optional) Router Information (RI) Opaque LSA
<i>ext-prefix</i>	(Optional) Extended Prefix Opaque LSA
<i>ext-link</i>	(Optional) Extended Link Opaque LSA
<i>detail</i>	Display LSA in detail
<i>private</i>	(Optional) Developer-only statistics

Command Mode

- /exec

show ip ospf interface

show ip ospf [<tag>] interface [<interface> | vrf { <vrf-name> | <vrf-known-name> | all }] [private]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
interface	OSPF enabled interface
<i>interface</i>	(Optional) OSPF enabled interface
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip ospf interface brief

```
show ip ospf [ <tag> ] interface brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
interface	OSPF enabled interface
brief	Display summary of OSPF interfaces

Command Mode

- /exec

show ip ospf lsa-content-changed-list

```
show ip ospf [ <tag> ] lsa-content-changed-list { <ip-addr> | <neighbor-name> } <interface>
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
lsa-content-changed-list	LSAs that changed contents
<i>interface</i>	OSPF enabled interface
<i>ip-addr</i>	Neighbor router ID
<i>neighbor-name</i>	DNS Name of the neighbor

Command Mode

- /exec

show ip ospf neighbors

```
show ip ospf [ <tag> ] neighbors [ { { <interface> [ <neighbor> | <neighbor-name> ] } | { [ <neighbor> | <neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor

Command Mode

- /exec

show ip ospf neighbors detail

```
show ip ospf [ <tag> ] neighbors [ <interface> ] [ <neighbor> | <neighbor-name> ] detail [ vrf { <vrf-name>
| <vrf-known-name> | all } ] [ private ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor
detail	Show detailed neighbor display
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip ospf neighbors summary

show ip ospf [<tag>] neighbors [<interface>] summary [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors

Command Mode

- /exec

show ip ospf request-list

show ip ospf [<tag>] request-list { <ip-addr> | <neighbor-name> } <interface>

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
request-list	Link state request list
<i>interface</i>	OSPF enabled interface
<i>ip-addr</i>	Neighbor router ID
<i>neighbor-name</i>	DNS Name of the neighbor

Command Mode

- /exec

show ip ospf retransmission-list

```
show ip ospf [ <tag> ] retransmission-list { <routerid> | <router-name> } <interface>
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
retransmission-list	Link state retransmission list
<i>routerid</i>	Neighbor router ID
<i>router-name</i>	DNS Name of the router
<i>interface</i>	OSPF enabled interface

Command Mode

- /exec

show ip ospf route

```
show ip ospf [ <tag> ] route [ <ip-addr> | <ip-prefix> [ longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
route	Internal OSPF routes
<i>ip-addr</i>	(Optional) Show single OSPF route
<i>ip-prefix</i>	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ip ospf route summary

```
show ip ospf [ <tag> ] route [ <ip-prefix> [ longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
route	Internal OSPF routes
<i>ip-prefix</i>	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts

Command Mode

- /exec

show ip ospf segment-routing adj-sid-database

show ip ospf [<tag>] segment-routing adj-sid-database [detail]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
adj-sid-database	Adjacency SID Database
detail	(Optional) Detailed Information

Command Mode

- /exec

show ip ospf segment-routing global-block

```
show ip ospf [ <tag> ] segment-routing global-block [ <adv-rtr> ] [ detail ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
global-block	Global Block
<i>adv-rtr</i>	(Optional) Advertising Router ID
detail	(Optional) Detailed Information

Command Mode

- /exec

show ip ospf segment-routing sid-database

show ip ospf [<tag>] segment-routing sid-database [<sid-id>] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
segment-routing	Segment-Routing information
sid-database	SID Database
<i>sid-id</i>	(Optional) SID value
detail	(Optional) Detailed Information

Command Mode

- /exec

show ip ospf sham-links

```
show ip ospf [ <tag> ] sham-links [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
sham-links	Sham link information

Command Mode

- /exec

show ip ospf sham-links brief

```
show ip ospf [ <tag> ] sham-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
sham-links	Sham link information
brief	Display summary of OSPF sham links

Command Mode

- /exec

show ip ospf statistics

```
show ip ospf [ <tag> ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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	Event counters

Command Mode

- /exec

show ip ospf summary-address

```
show ip ospf [ <tag> ] summary-address [ private ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
summary-address	Summary-address redistribution information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ip ospf traffic

```
show ip ospf [ <tag> ] traffic [ <interface> [ detail ] | [ detail ] | [ detail ] vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<i>tag</i>	(Optional) Process tag
<i>interface</i>	(Optional) OSPF enabled interface
detail	(Optional) Display detailed 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
traffic	Packet counters

Command Mode

- /exec

show ip ospf virtual-links

```
show ip ospf [ <tag> ] virtual-links [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
virtual-links	Virtual link information

Command Mode

- /exec

show ip ospf virtual-links brief

```
show ip ospf [ <tag> ] virtual-links brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
<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
virtual-links	Virtual link information
brief	Display summary of OSPF virtual links

Command Mode

- /exec

show ip pim config-sanity

show ip pim config-sanity

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
config-sanity	Configuration Sanity check

Command Mode

- /exec

show ip pim df

```
show ip pim df [ <rp-or-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
df	Display Bidir Designated Forwarders
<i>rp-or-group</i>	(Optional) Display for a single RP or group 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) Display information for all VRFs
internal	(Optional) Commands for internal use

Command Mode

- /exec

show ip pim fabric info

show ip pim fabric info

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
info	show the fabric info

Command Mode

- /exec

show ip pim fabric legacy-vlans

show ip pim fabric legacy-vlans

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch

Command Mode

- /exec

show ip pim group-range

```
show ip pim group-range [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
group-range	Display the various group-ranges
<i>group</i>	(Optional) IP address of group to display
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

show ip pim host-proxy

show ip pim host-proxy

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
host-proxy	host-proxy

Command Mode

- /exec

show ip pim interface show ip pim interface

```
show ip pim interface [ <interface> [ brief ] ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ internal ] [ serialize ]
| show ip pim interface [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
interface	Display PIM interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per 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
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim mdt

```
show ip pim mdt [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT 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

show ip pim mdt bgp

show ip pim mdt bgp [mdt-source <src-addr>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address

Command Mode

- /exec

show ip pim mdt history interval

show ip pim mdt history interval <min> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send Histoy
interval	Display in specified interval
<i>min</i>	Minutes
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

show ip pim mdt receive

show ip pim mdt receive [detail] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
receive	Display Received Data Joins 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
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip pim mdt send

```
show ip pim mdt send [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send 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
detail	(Optional) Display detailed information

Command Mode

- /exec

show ip pim neighbor

```
show ip pim neighbor { [ <interface> ] | [ <address> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
detail | internal ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
neighbor	Display PIM neighbor related information
<i>interface</i>	(Optional) Display neighbors on single interface name
<i>address</i>	(Optional) IP address of single neighbor to display
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
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim oif-list

```
show ip pim oif-list <group> [ <source> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
oif-list	Display interfaces for oif-list of PIM route
<i>source</i>	(Optional) Source address to display
<i>group</i>	Group address to display
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

show ip pim pfm-sd cache

```
show ip pim pfm-sd cache [ [ <source> [ <group> ] ] ] [ <group> [ <source> ] ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ local | remote-discovery | batch ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
pfm-sd	PIM Flooding Mechanism and Source Discovery
cache	cache info
vrf	(Optional) Display per-VRF information
<i>group</i>	(Optional) Group address to display
<i>source</i>	(Optional) Source address to display
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
local	(Optional) PIM pfm-sd Local cache
remote-discovery	(Optional) PIM pfm-sd remote-discovery cache
batch	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip pim policy statistics

```
show 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

show	Show running system information
ip	Display IP information
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 filtered BSR messages
rp-candidate-policy	Statistics for filtered RP candidate messages
auto-rp	Statistics for auto-rp messages
rp-candidate-policy	Statistics for filtered RP candidate messages
mapping-agent-policy	Statistics for filtered 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

show ip pim policy statistics jp

show ip pim policy statistics { jp-policy | neighbor-policy } <interface>

Syntax Description

show	Show running system information
ip	Display IP information
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 to display policy statistics for

Command Mode

- /exec

show ip pim route

```
show ip pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
route	Display PIM specific route information
<i>group</i>	(Optional) Group address to display
<i>source</i>	(Optional) Source address to display
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim rp-hash

show ip pim rp-hash <group> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp-hash	Display RP hash value for group
<i>group</i>	Group address for RP lookup
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

show ip pim rp

```
show ip pim rp [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ] [ serialize ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp	Display PIM RP, Auto-RP, and BSR related information
<i>group</i>	(Optional) Display RP for group address
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim statistics

show ip pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [serialize]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
statistics	Packet 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
serialize	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip pim vrf

```
show ip pim vrf [ { <vrf-name> | <vrf-known-name> | all } ] [ detail | internal ]
```

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information

Command Mode

- /exec

show ip ping source-interface

show ip ping source-interface [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
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

show ip ping source-interface vrf all

show ip ping source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip policy

show ip policy [vrf { <vrf-name> | <vrf-known-name> | all }] [detail]

Syntax Description

show	Show running system information
ip	Display IP information
policy	Policy routing
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
detail	(Optional) Detailed information

Command Mode

- /exec

show ip prefix-list

```
show ip prefix-list { { [ detail | summary ] [ <ipv4-pfl-name> | <ipv4-pfl-cfg-name> ] } | { { <ipv4-pfl-name>
| <ipv4-pfl-cfg-name> } seq <seq-no> } | { { <ipv4-pfl-name> | <ipv4-pfl-cfg-name> } <prefix> [ first-match
| longer ] } }
```

Syntax Description

show	Show running system information
ip	Display IP information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
prefix-list	List IP prefix lists
<i>ipv4-pfl-name</i>	(Optional) Name of prefix-list
<i>ipv4-pfl-cfg-name</i>	(Optional) Known prefix-list name
seq	Sequence number
<i>seq-no</i>	Sequence number
<i>prefix</i>	IP prefix network/length, e.g., 35.0.0.0/8
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries

Command Mode

- /exec

show ip process

show ip process [api] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
process	Display IP global information
api	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip rip

```
show { ipv6 | ip } rip [ instance <inst> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
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

show ip rip interface

```
show { ipv6 | ip } rip [ instance <inst> ] interface [ <interface> ] [ detail ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
interface	RIP interface
<i>interface</i>	(Optional) RIP interface
detail	(Optional) Detailed 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

show ip rip neighbor

```
show { ipv6 | ip } rip [ instance <inst> ] neighbor [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
neighbor	RIP neighbor
<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

show ip rip policy statistics redistribute

```
show ip rip [ instance <inst> ] policy statistics redistribute { bgp <as> | { eigrp | isis | <src-rip> | ospf } <tag>
| direct | static } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
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)
src-rip	Routing Information Protocol (RIP)
ospf	Open Shortest Path First (OSPFv2)
<i>tag</i>	Process tag
direct	Directly connected routes
static	Static 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

show ip rip route

```
show { ipv6 | ip } rip [ instance <inst> ] route [ { <ipv6-prefix> | <ip-prefix> } [ { longer-prefixes | shorter-prefixes } ] ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
route	RIP routes
summary	(Optional) route counts
<i>ip-prefix</i>	(Optional) Exact prefix
longer-prefixes	(Optional) exact match and more specific routes
shorter-prefixes	(Optional) exact match and less specific 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

show ip rip statistics

```
show { ipv6 | ip } rip [ instance <inst> ] statistics [ * | <interface> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
statistics	RIP statistics
<i>interface</i>	(Optional) RIP interface
*	(Optional) RIP statistics for all interfaces

Command Mode

- /exec

show ip route

```
show ip route [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | {
<ip-prefix> [ { longer-prefixes | shorter-prefixes } ] ] [ { <protocol> [ all ] } | { bind-label <bind-lbl> |
next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime>
] [ until <utime> ] } } ] + [ summary [ cached ] | detail [ full ] | summary-counter-consistency-check ] [ vrf {
<vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
route	Display routing information
vrf	(Optional) Display 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
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
<i>ip-addr</i>	(Optional) Display single route longest match lookup
<i>ip-prefix</i>	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths \geq prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths \leq prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
<i>next-hop</i>	(Optional) Next hop address

next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in detail (condensed when more than 1000 routes)
full	(Optional) Display routes in full detail
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ip sla application

show ip sla application

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
application	IP SLAs Application

Command Mode

- /exec

show ip sla configuration

show ip sla configuration [<entry-num>] [dynamic]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
configuration	IP SLA configurtaion
<i>entry-num</i>	(Optional) Entry Number
dynamic	(Optional) Entries programmed by clients

Command Mode

- /exec

show ip sla enhanced-history collection-statistics

show ip sla enhanced-history collection-statistics [<operation-number> [interval <interval-in-secs>]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
collection-statistics	IP SLAs Collection Statistics
<i>operation-number</i>	(Optional) Entry Number
interval	(Optional) Aggregation Interval
<i>interval-in-secs</i>	(Optional) Interval in seconds

Command Mode

- /exec

show ip sla enhanced-history distribution-statistics

show ip sla enhanced-history distribution-statistics [<operation-number> [interval <interval-in-secs>]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
distribution-statistics	IP SLAs Distribution Statistics
<i>operation-number</i>	(Optional) Entry Number
interval	(Optional) Aggregation Interval
<i>interval-in-secs</i>	(Optional) Interval in seconds

Command Mode

- /exec

show ip sla group schedule

show ip sla group schedule [<group-operation-number>]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
group	IP SLAs Group Scheduling/Configuration
schedule	Group Scheduling
<i>group-operation-number</i>	(Optional) Group Schedule Entry Number

Command Mode

- /exec

show ip sla history

show ip sla history [<operation-number>] [tabular | full | interval-statistics]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
history	IP SLAs History
<i>operation-number</i>	(Optional) Entry Number
tabular	(Optional) Compact Output
full	(Optional) Listed Output
interval-statistics	(Optional) Interval statistics output

Command Mode

- /exec

show ip sla reaction-configuration

show ip sla reaction-configuration [<entry-num>]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-configuration	IP SLAs Reaction Configuration
<i>entry-num</i>	(Optional) Entry Number

Command Mode

- /exec

show ip sla reaction-trigger

show ip sla reaction-trigger [<entry-num>]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-trigger	IP SLAs Reaction Trigger
<i>entry-num</i>	(Optional) Entry Number

Command Mode

- /exec

show ip sla responder

show ip sla responder

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
responder	IP SLAs Responder Information

Command Mode

- /exec

show ip sla statistics

show ip sla statistics [aggregated] [<entry-num>] [details]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
statistics	IP SLAs Statistics
<i>entry-num</i>	(Optional) Entry Number
details	(Optional) Detailed Output
aggregated	(Optional) IP SLAs Statistics Aggregated

Command Mode

- /exec

show ip sla twamp connection detail

show ip sla twamp connection detail

Syntax Description

show	
ip	
sla	
twamp	
connection	
detail	

Command Mode

- /exec

show ip sla twamp connection requests

show ip sla twamp connection requests

Syntax Description

show	
ip	
sla	
twamp	
connection	
requests	

Command Mode

- /exec

show ip sla twamp session

show ip sla twamp session

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
twamp	IP SLAs Twamp Information
session	Display TWAMP Sessions

Command Mode

- /exec

show ip sla twamp standards

show ip sla twamp standards

Syntax Description

show	
ip	
sla	
twamp	
standards	

Command Mode

- /exec

show ip ssh source-interface

```
show ip ssh source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
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

show ip ssh source-interface vrf all

show ip ssh source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip static-route

show ip static-route [multicast] [internal] [track-table] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
static-route	Display configured static routes
multicast	(Optional) Display only multicast routes
internal	(Optional) Display internal data structure info
track-table	(Optional) Display track object details associated with static routes
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show ip tcp mss

show ip tcp mss

Syntax Description

show	Show running system information
ip	Configure IP features
tcp	Global TCP parameters
mss	Maximum segment size for TCP connections in bytes

Command Mode

- /exec

show ip telnet source-interface

```
show ip telnet source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
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

show ip telnet source-interface vrf all

show ip telnet source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip tftp source-interface

```
show ip tftp source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
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

show ip tftp source-interface vrf all

show ip tftp source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip traceroute source-interface

```
show ip traceroute source-interface [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
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

show ip traceroute source-interface vrf all

show ip traceroute source-interface vrf all

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs

Command Mode

- /exec

show ip traffic

```
show ip traffic [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
traffic	Display IP software processed 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

show ip traffic pps

show ip traffic pps

Syntax Description

show	Show running system information
ip	Display IP information
traffic	Display IP software processed traffic statistics
pps	Display packets per second threshold config information

Command Mode

- /exec

show ip udp relay

show ip udp relay

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay

Command Mode

- /exec

show ip udp relay interface

show ip udp relay interface [<intf_range>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
interface	Interface ID
<i>intf_range</i>	(Optional) interface

Command Mode

- /exec

show ip udp relay object-group

show ip udp relay object-group [<obj-grp-name>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
object-group	Object-group
<i>obj-grp-name</i>	(Optional) object-group name

Command Mode

- /exec

show ip verify source

show ip verify source [interface <intf6>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
verify	Verify IPSG information
source	IPSG source
interface	(Optional) Interface
<i>intf6</i>	(Optional) interface

Command Mode

- /exec

show ipt details

show ipt details

Syntax Description

ipt	Display IPT information
details	Show IPT details

Command Mode

- /exec

show ipv6 adjacency

show ipv6 { adjacency | neighbor } [<interface> [summary] | <ipv6-addr> [detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
neighbor	Show IPv6 neighbor entry
<i>interface</i>	(Optional) Display specific interface adjacencies only
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency 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) Show adjacency entries for all vrfs

Command Mode

- /exec

show ipv6 adjacency aggregate-prefix

```
show ipv6 adjacency aggregate-prefix [ [ vlan <vlan-id> ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
aggregate-prefix	aggregate-prefix PT info
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
summary	(Optional) Show aggregate-prefix summary
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 AM entries for all vrfs

Command Mode

- /exec

show ipv6 adjacency subnet-prefix

```
show ipv6 adjacency subnet-prefix [ [ vlan <vlan-id> ] [ summary ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
subnet-prefix	subnet-prefix PT info
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Vlan
summary	(Optional) Show subnet-prefix summary
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 ARP entries for all vrfs

Command Mode

- /exec

show ipv6 amt tunnel

```
show ipv6 amt tunnel [ <address6> <port> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
amt	AMT show commands
ipv6	Display IPv6 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
detail	(Optional) Display routes joined by tunnel endpoint

Command Mode

- /exec

show ipv6 bgp

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [
<ipv6-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234
} ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
longer-prefixes	(Optional) Display route and more specific routes

Command Mode

- /exec

show ipv6 bgp

```
show ipv6 { bgp | mbgp } { route-map { <rmap-name> | <rmap-name> } | prefix-list { <prfxlist-name> |
<test_pol_name> } | filter-list { <fltrlist-name> | <test_pol_name> } | community-list { <commlist-name> |
<test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } [ exact-match ] }
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
route-map	Display routes matching the route-map
<i>rmap-name</i>	Route-map name
<i>rmap-name</i>	Known route-map name
prefix-list	Display routes matching the prefix-list
<i>prfxlist-name</i>	Name of prefix-list
filter-list	Display routes matching the filter-list
<i>fltrlist-name</i>	Name of filter-list
community-list	Display routes matching the community-list
<i>commlist-name</i>	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
<i>extcommlist-name</i>	Name of extcommunity-list
<i>test_pol_name</i>	An existing test-list policy
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp community

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
community { <regex-str> | { { <comm-id> | <wellknown-id> } + [ exact-match ] } } [ vrf { <vrf-name> |
<vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv6	Display BGP information for IPv6 address family
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
community	Display routes matching the BGP communities
<i>regex-str</i>	Regular expression to match the communities
<i>comm-id</i>	BGP community value
<i>wellknown-id</i>	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp dampening

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
dampening { dampened-paths [ regexp <regexp-str> ] | history-paths [ regexp <regexp-str> ] | parameters |
flap-statistics } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
dampened-paths	Display all dampened paths
history-paths	Display all history paths
flap-statistics	Display flap statistics for routes
ipv6	Display BGP information for IPv6 address family
regexp	(Optional) Display routes matching the AS path regular expression
<i>regexp-str</i>	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp extcommunity

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
extcommunity { <regex-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } } + [ exact-match ] } } [ vrf { <vrf-name> | <vrf-known-name> |
ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
<i>regex-str</i>	Regular expression to match the extcommunities
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ipv6 bgp flap-statistics

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
flap-statistics [ <ipv6-prefix> ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp neighbors

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
neighbors { [ { <neighbor-id> | <ipv6-neighbor-id> } [ routes [ advertised | received | dampened ] |
advertised-routes | paths | received-routes | flap-statistics ] ] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id>
} [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
neighbors	Display all configured BGP neighbors
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>neighbor-id</i>	(Optional) Display one particular BGP neighbor
<i>neighbor-prefix-id</i>	Display details for a prefix peering
ipv6	Display BGP information for IPv6 address family
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ipv6 bgp nexthop-database

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
nexthop-database [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp nexthop

```
show ipv6 { bgp | mbgp } nexthop <ipv6nexthop>
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
nexthop	Display routes matching the nexthop

Command Mode

- /exec

show ipv6 bgp received-paths

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
received-paths [ private ] [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 bgp regexp

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] regexp
<regexp-str> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv6	Display BGP information for IPv6 address family
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp summary

```
show ipv6 { bgp | mbgp } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]  
summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 client

show ipv6 client [<client-name>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
client	Display clients registered with the IPv6 process
<i>client-name</i>	(Optional) Display information for a single IPv6 client

Command Mode

- /exec

show ipv6 dhcp guard policy

show ipv6 dhcp guard policy [<pname>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>pname</i>	(Optional) Policy name for dhcp guard feature

Command Mode

- /exec

show ipv6 dhcp relay

show ipv6 dhcp relay [interface <intf-range>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
interface	(Optional) DHCPv6 relay address of the interface
<i>intf-range</i>	(Optional) interface

Command Mode

- /exec

show ipv6 dhcp relay prefix-delegation

show ipv6 dhcp relay prefix-delegation [interface <intf> | client <ipv6-addr> | prefix <ipv6-prefix>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
prefix-delegation	Delegated prefix bindings
interface	(Optional) Display prefix bindings for an interface
<i>intf</i>	(Optional) interface
client	(Optional) Display prefix bindings for a client
prefix	(Optional) Display a specific prefix binding

Command Mode

- /exec

show ipv6 dhcp relay prefix-delegation detail

show ipv6 dhcp relay prefix-delegation [interface <intf> | client <ipv6-addr> | prefix <ipv6-prefix>] detail

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
prefix-delegation	Delegated prefix bindings
interface	(Optional) Display prefix bindings for an interface
<i>intf</i>	(Optional) interface
client	(Optional) Display prefix bindings for a client
prefix	(Optional) Display a specific prefix binding
detail	Display detailed information

Command Mode

- /exec

show ipv6 dhcp relay statistics

```
show 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

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show information about DHCPv6
relay	DHCPv6 Relay
statistics	Statistics related to DHCPv6
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

show ipv6 fragments

show ipv6 fragments [<source-addr>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
fragments	Display queued fragments

Command Mode

- /exec

show ipv6 icmp

```
show ipv6 icmp { adjacency | neighbor | sync-entries } [ <interface> ] [ detail ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
adjacency	Show IPv6 dynamic learnt adjacency entry
neighbor	Show IPv6 static and dynamic learnt neighbor entry
sync-entries	Show IPv6 table learnt only due to table sync
<i>interface</i>	(Optional) Interface name to display
detail	(Optional) Display detailed 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

show ipv6 icmp global traffic

show ipv6 { icmp | nd } global traffic

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
global	Show ICMPv6/ND global variables
traffic	Display ICMPv6 software processed traffic statistics

Command Mode

- /exec

show ipv6 icmp interface

```
{ show ipv6 { icmp | nd } interface [ <interface> ] { [ prefix [ full ] ] | [ route ] | [ detail ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 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
nd	ICMPv6 Neighbor Discovery commands
interface	Display ICMPv6 related interface information
prefix	(Optional) Display List of ICMPv6 RA prefix
route	(Optional) Display List of ICMPv6 RA routes
full	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display ICMPv6 related interface information in detail
<i>interface</i>	(Optional) Interface name to show

Command Mode

- /exec

show ipv6 icmp l2 statistics

```
show ipv6 { icmp | nd } l2 statistics [ interface <interface> ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
interface	(Optional) Interface for which l2 stats to be shown
l2	Display ND info for layer-2 interface
statistics	Display ND statistics for layer 2 interface
<i>interface</i>	(Optional) interface

Command Mode

- /exec

show ipv6 icmp nd local-proxy stats

```
show ipv6 icmp nd local-proxy stats { <vlan-interface> [ <interface> ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
local-proxy	show nd local proxy stats
stats	statistics
<i>vlan-interface</i>	vlan interface
<i>interface</i>	(Optional) interface

Command Mode

- /exec

show ipv6 icmp neighbor static remote

show ipv6 icmp neighbor static remote [vlan <vlan-id>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
neighbor	Show IPv6 static and dynamic learnt neighbor entry
static	Display static neighbors
remote	Display remote neighbors
vlan	(Optional) Display per-VLAN information
<i>vlan-id</i>	(Optional) Vlan ID
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Show entries for all vrfs

Command Mode

- /exec

show ipv6 icmp off-list

show ipv6 icmp off-list [vlan <vlan-id>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
off-list	Show adjacencies in off-list icmpv6 database
vlan	(Optional) Vlan id
<i>vlan-id</i>	(Optional) Show information for specified vlan

Command Mode

- /exec

show ipv6 icmp vaddr

```
show ipv6 icmp vaddr { link-local [ detail ] | global | pt-tree } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vaddr	Show all virtual addresses configured
link-local	Display link-local virtual ipv6 addresses
detail	(Optional) Display detailed information
global	Display global virtual ipv6 addresses
pt-tree	Display link-local virtual ipv6 addresses pt-tree 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

show ipv6 icmp vpc-statistics

show ipv6 icmp vpc-statistics

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vpc-statistics	Show vPC global statistics

Command Mode

- /exec

show ipv6 interface

```
show ipv6 interface { [ brief [ include-secondary ] [ <interface> | <ipv6-addr> ] [ detail ] ] } [ vrf { <vrf-name>
| <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
interface	Display IPv6 related interface information
brief	(Optional) Display summary of IPv6 status and configuration
include-secondary	(Optional) Display summary of all IPv6 addresses
<i>interface</i>	(Optional) Interface name to display
detail	(Optional) Display detailed IPv6 interface 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 all VRFs

Command Mode

- /exec

show ipv6 lisp data-cache

```
show ipv6 lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
lisp	LISP show commands
data-cache	Display EID-to-RLOC data cache mapping in this ITR
<i>eid</i>	(Optional) Display mapping for IPv6 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

show ipv6 local policy

show ipv6 local policy [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
local	IPv6 local options
policy	Policy routing
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

show ipv6 mld global traffic

show ipv6 [icmp] mld global traffic

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
global	Show ICMPv6 global variables
traffic	Display ICMPv6 software processed traffic statistics

Command Mode

- /exec

show ipv6 mld groups

```
show ipv6 [ icmp ] mld groups [ { <source> [ <group> ] } | { <group> [ <source> ] } ] [ <interface> ] [
summary ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
groups	Display MLD attached group membership 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
<i>interface</i>	(Optional) Display group membership on interface name
summary	(Optional) Display group summary

Command Mode

- /exec

show ipv6 mld interface

```
show ipv6 [ icmp ] mld interface [ <interface> ] [ brief ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
interface	Display ICMPv6 related interface information
detail	(Optional) Display ICMPv6 related interface information in detail
brief	(Optional) Display ICMPv6 related interface information in brief
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>interface</i>	(Optional) Interface name to show

Command Mode

- /exec

show ipv6 mld local-groups

```
show ipv6 [ icmp ] mld local-groups [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
local-groups	Display MLD local group membership information
<i>interface</i>	(Optional) Display group membership on interface name
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

show ipv6 mld snooping

```
show ipv6 mld snooping [ { vlan <vlan> | bridge-domain <bdid> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
vlan	(Optional) Display VLAN MLD snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping membership information
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ipv6 mld snooping explicit-tracking

show ipv6 mld snooping explicit-tracking [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
explicit-tracking	Display explicit-tracking database for MLDv3
vlan	(Optional) Display Vlan explicit-tracking database
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD explicit-tracking database
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detail info regarding host and vPC

Command Mode

- /exec

show ipv6 mld snooping filter details

show ipv6 mld snooping filter [vlan <vlan_id>] details

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID
details	Shows different Filter configurations

Command Mode

- /exec

show ipv6 mld snooping groups

show ipv6 mld snooping [otv | remote] groups [{ <source> [<group>] } | { <group> [<source>] }] [vlan <vlan> | bridge-domain <bdid>] [detail] [summary]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
otv	(Optional) MLD Snooping OTV information
remote	(Optional) MLD Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
vlan	(Optional) Display VLAN MLD snooping membership information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping membership information
<i>bdid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information for the group

Command Mode

- /exec

show ipv6 mld snooping lookup-mode

show ipv6 mld snooping lookup-mode [vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
lookup-mode	MLD Snooping lkup mode information
vlan	(Optional) Display VLAN information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ipv6 mld snooping mrouter

show ipv6 mld snooping mrouter [otv] [vlan <vlan> | bridge-domain <bdid>] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
mrouter	Display multicast routers detected
otv	(Optional) MLD Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
<i>bdid</i>	(Optional) Specify BD
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 mld snooping otv vlan brief

show ipv6 mld snooping otv vlan brief

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
otv	MLD Snooping OTV information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ipv6 mld snooping pw vlan brief

show ipv6 mld snooping pw vlan brief

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
pw	MLD Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output

Command Mode

- /exec

show ipv6 mld snooping querier

```
show ipv6 mld snooping querier [ vlan <vlan> | bridge-domain <bidid> ] [ detail ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN MLD snooping querier information
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD MLD snooping querier information
<i>bidid</i>	(Optional) Specify BD
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 mld snooping report statistics

show ipv6 mld snooping { report-policy | access-group } statistics [vlan <vlan>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
report-policy	MLD report policy
access-group	MLD access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN MLD snooping policy statistics information
<i>vlan</i>	(Optional) Specify VLAN

Command Mode

- /exec

show ipv6 mld snooping statistics

show ipv6 mld snooping statistics [global | vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
statistics	Display packet/error counter statistics
global	(Optional) Display global statistics
vlan	(Optional) Display VLAN statistics
<i>vlan</i>	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD statistics
<i>bdid</i>	(Optional) Specify BD

Command Mode

- /exec

show ipv6 mroute

```
show ipv6 mroute [ [ [ bitfield ] [ detail ] ] | sr | rp | [ summary [ count | software-forwarded | rpf-failed ] ] | {
[ [ <source> <group> ] | [ <group> [ <source> ] ] ] [ shared-tree | source-tree | mofrr ] [ [ flags ] | [ detail ] | [
bitfield ] | [ summary [ software-forwarded | rpf-failed ] ] } ] [ vrf { <vrf-name> | <vrf-known-name> | all
} ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 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
mroute	Display IP multicast routing table
summary	(Optional) Display route counts and packet rates
shared-tree	(Optional) Display route for *,G entries
source-tree	(Optional) Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
mofrr	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
count	(Optional) Display route counts only
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display detailed route attributes
flags	(Optional) Display detailed route attributes

Command Mode

- /exec

show ipv6 mtu

```
show ipv6 mtu [ statistics | vrf { <vrf-name> | <vrf-known-name> | all [ detail ] } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
mtu	Display IPV6 Path MTU Cache
statistics	(Optional) Display non-TCP Path MTU Statistics
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
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 multicast vrf

show ipv6 multicast vrf [<vrf-name> | <vrf-known-name> | all] [detail]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
multicast	Display multicast routing info
vrf	Display 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
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 nd addr-registry

show ipv6 nd addr-registry

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
addr-registry	Display icmpv6 addr registry entries

Command Mode

- /exec

show ipv6 nd ra dns search-list

show ipv6 nd ra dns search-list [interface <interface>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
interface	(Optional) Display DNS Search List information on interface
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 nd ra dns server

show ipv6 nd ra dns server [interface <interface>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
interface	(Optional) Display Recursive DNS Server List information on interface
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 nd rguard policy

show ipv6 nd rguard policy [<name>]

Syntax Description

<i>name</i>	(Optional) Policy name for feature RA guard
-------------	---

Command Mode

- /exec

show ipv6 nd suppression-cache

```
show ipv6 nd suppression-cache { detail [ vlan <vlan_id> ] | summary | statistics | vlan <vlan_id> | local [
vlan <vlan_id> ] | remote [ vlan <vlan_id> ] }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
suppression-cache	nd-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
<i>vlan_id</i>	(Optional) Vlan

Command Mode

- /exec

show ipv6 neighbor binding

```
show ipv6 neighbor binding [ { { vlan <vlanid> [ details ] } | { { address { <ipv6-addr> | all } } { interface
<intfid> vlan <vlanid> [ details ] }
```

Syntax Description

<i>intfid</i>	(Optional) [details]
show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) Vlan number

Command Mode

- /exec

show ipv6 neighbor binding mac

```
show ipv6 neighbor binding mac <macaddr> { interface <intfid> vlan <vlanid> [ details ] |
```

Syntax Description

<i>intfid</i>	[details]
show	Show running system information
ipv6	Show the IPv6 features of the system
<i>macaddr</i>	48-bit hardware address
<i>vlanid</i>	Vlan number

Command Mode

- /exec

show ipv6 neighbor static

show ipv6 neighbor static [interface <interface>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
neighbor	Show IPv6 neighbor entry
static	Displays only static neighbors
interface	(Optional) Display IPv6 related interface information
<i>interface</i>	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 pim df

```
show ipv6 pim df [ <rp-or-group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
df	Display Bidir Designated Forwarders
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
internal	(Optional) Commands for internal use

Command Mode

- /exec

show ipv6 pim fabric info

show ipv6 pim fabric info

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
info	show the fabric info

Command Mode

- /exec

show ipv6 pim fabric legacy-vlans

show ipv6 pim fabric legacy-vlans

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch

Command Mode

- /exec

show ipv6 pim group-range

show ipv6 pim group-range [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
group-range	Display the various group-ranges
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

show ipv6 pim interface

show ipv6 pim interface [<interface>] [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [internal]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
interface	Display PIM6 interface related information
<i>interface</i>	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per 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
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 pim mdt

```
show ipv6 pim mdt [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT 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

show ipv6 pim mdt bgp

show ipv6 pim mdt bgp [mdt-source <src-addr>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor

Command Mode

- /exec

show ipv6 pim mdt history interval

show ipv6 pim mdt history interval <min> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send History
interval	Display in specified interval
<i>min</i>	Minutes
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

show ipv6 pim mdt receive

```
show ipv6 pim mdt receive [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
receive	Display Received Data Joins 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
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 pim mdt send

```
show ipv6 pim mdt send [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send 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
detail	(Optional) Display detailed information

Command Mode

- /exec

show ipv6 pim neighbor

```
show ipv6 pim neighbor { [ <interface> ] | [ <address> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ] [
detail | internal ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
neighbor	Display PIM6 neighbor related information
<i>interface</i>	(Optional) Display neighbors on single interface name
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
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ipv6 pim oif-list

```
show ipv6 pim oif-list <group> [ <source> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
oif-list	Display interfaces for oif-list of PIM6 route
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

show ipv6 pim policy statistics jp

show ipv6 pim policy statistics { jp-policy | neighbor-policy } <interface>

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
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 to display policy statistics for

Command Mode

- /exec

show ipv6 pim route

```
show ipv6 pim route [ [ <source> [ <group> ] ] | [ <group> [ <source> ] ] ] [ bitfield ] [ vrf { <vrf-name> |
<vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
route	Display PIM6 specific route information
bitfield	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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

show ipv6 pim rp-hash

show ipv6 pim rp-hash <group> [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp-hash	Display RP hash value for group
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

show ipv6 pim rp

```
show ipv6 pim rp [ <group> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ internal ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp	Display PIM6 RP and BSR related information
internal	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
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

show ipv6 pim statistics

```
show ipv6 pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
statistics	Packet 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

show ipv6 pim vrf

show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }] [detail | internal]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
vrf	Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM6 is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information

Command Mode

- /exec

show ipv6 policy

```
show ipv6 policy [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
policy	Policy routing
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

show ipv6 prefix-list

```
show ipv6 prefix-list { { [ detail | summary ] [ <ipv6-pfl-name> | <ipv6-pfl-cfg-name> ] } | { { <ipv6-pfl-name>
| <ipv6-pfl-cfg-name> } seq <seq-no> } | { { <ipv6-pfl-name> | <ipv6-pfl-cfg-name> } <prefix> [ first-match
| longer ] } }
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
prefix-list	List IPv6 prefix lists
<i>ipv6-pfl-name</i>	(Optional) Name of prefix-list
<i>ipv6-pfl-cfg-name</i>	(Optional) Known prefix-list name
seq	Sequence number
<i>seq-no</i>	Sequence number
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries

Command Mode

- /exec

show ipv6 process

```
show ipv6 process [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
process	Display IPv6 global 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 all VRFs

Command Mode

- /exec

show ipv6 raguard statistics

show ipv6 raguard statistics [interface <intf-range>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
raguard	IPV6 raguard
statistics	RA packet drop count
interface	(Optional) Raguard enabled interfaces
<i>intf-range</i>	(Optional) interface

Command Mode

- /exec

show ipv6 rip policy statistics redistribute

```
show ipv6 rip [ instance <inst> ] policy statistics redistribute { bgp <as> | { eigrp | isis | <src-rip> | ospfv3 |
lisp } <tag> | direct | static } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
<i>inst</i>	(Optional) Process ID
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
<i>as</i>	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
src-rip	Routing Information Protocol (RIP)
ospfv3	Open Shortest Path First (OSPFv3)
lisp	LISP EID-prefixes
<i>tag</i>	Process tag
direct	Directly connected routes
static	Static 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

show ipv6 route

```
show ipv6 route [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ipv6-addr> | { <ipv6-prefix>
[ { longer-prefixes | shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] } | { bind-label <bind-lbl> | next-hop
<next-hop> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary [
cached ] | summary-counter-consistency-check | { [ detail ] [ deleted ] } ] [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
route	Display IPv6 routing table
vrf	(Optional) Display 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
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
l3vm-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
<i>ipv6-protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time

<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deleted	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display routes in full detail

Command Mode

- /exec

show ipv6 routers

```
show ipv6 routers [ all-routers ] [ [ interface <interface> ] | [ vrf { <vrf-name> | <vrf-known-name> | all } ] ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
routers	Display neighbor router information
all-routers	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
interface	(Optional) Display neighbor router information on interface
<i>interface</i>	(Optional) Interface name to display
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

show ipv6 snooping capture-policy

show ipv6 snooping capture-policy [vlan <vlanid>] [interface <intf>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) VLAN ID
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ipv6 snooping counters vlan

```
show ipv6 snooping counters { { vlan <vlanid> } | { interface <intf> } }
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	VLAN ID
<i>intf</i>	interface

Command Mode

- /exec

show ipv6 snooping events

show ipv6 snooping events

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system

Command Mode

- /exec

show ipv6 snooping features

show ipv6 snooping features

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system

Command Mode

- /exec

show ipv6 snooping messages

show ipv6 snooping messages [detailed <count>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>count</i>	(Optional) Number of messages to display

Command Mode

- /exec

show ipv6 snooping policies

```
show ipv6 snooping policies { [ vlan <vlanid> ] | [ interface <intf> ] }
```

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>vlanid</i>	(Optional) VLAN ID
<i>intf</i>	(Optional) interface

Command Mode

- /exec

show ipv6 snooping policy

show ipv6 snooping policy [<policy_name>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
<i>policy_name</i>	(Optional) Policy name for feature snooping

Command Mode

- /exec

show ipv6 snooping pss database

show ipv6 snooping pss database

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system

Command Mode

- /exec

show ipv6 static-route

```
show ipv6 static-route [ <prefix> ] [ multicast ] [ track-table ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
static-route	Display configured static routes
track-table	(Optional) Display track object details associated with static routes
multicast	(Optional) Display configured static mroutes
all	(Optional) Display all VRFs
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

show ipv6 traffic

```
show ipv6 traffic [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
traffic	Display IPv6 traffic statistics
detail	(Optional) Display per protocol IPv6 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

show isis

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ process | protocol ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
process	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
protocol	(Optional) Display IS-IS process information

Command Mode

- /exec

show isis adjacency

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] adjacency [ <interface> [ p2p-level-1-2 ] ] { [ system-id <sid> ] | [ detail ] | [ summary ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
p2p-level-1-2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display IS-IS adjacency summary information

Command Mode

- /exec

show isis csnp

```
show isis [ <isis-tag> ] csnp [ detail ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
csnp	Display IS-IS CSNP cache contents
detail	(Optional) Display detailed IS-IS information

Command Mode

- /exec

show isis database

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ <level> ] [ detail | advertise
| summary ] [ <lid> ] { [ zero-sequence ] | [ ip prefix <ip-prefix> ] | [ ipv6 prefix <ipv6-prefix> ] | [ router-id
<rid> ] | [ adjacency <adj-id> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
database	Display IS-IS database information
<i>level</i>	(Optional) IS-IS level
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information
advertise	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
ip	(Optional) IP attribute filter
ipv6	(Optional) IPv6 attribute filter
prefix	(Optional) Prefix filter
<i>ip-prefix</i>	(Optional) Single exact match IP prefix filter
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter
router-id	(Optional) Router-id filter
<i>rid</i>	(Optional) single exact match router-id filter

Command Mode

- /exec

show isis distribute-ls

```
show isis [ <isis-tag> ] distribute-ls { [ system-id <sid> ] | [ lsp-id <lid> ] } [ brief ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
distribute-ls	Link-state distribution database
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
lsp-id	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
brief	(Optional) Short output
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

show isis dynamic-flooding

show isis [<isis-tag>] dynamic-flooding [tree-1 | tree-2] [detail]

Syntax Description

show	Show running system information
isis	IS-IS events
<i>isis-tag</i>	(Optional) Routing process tag
dynamic-flooding	Display IS-IS information for Dynamic Flooding
tree-1	(Optional) Display dynamic-flooding information for tree-1
tree-2	(Optional) Display dynamic-flooding information for tree-2
detail	(Optional) Detail to show the Dynamic Flooding area leader

Command Mode

- /exec

show isis interface

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface [ brief | <interface> ] [ level-1
| level-2 ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
level-1	(Optional) Display Level-1 interfaces
level-2	(Optional) Display level-2 interfaces
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show isis ipv6 redistribute route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 redistribute route [ topology { [
base ] | mt-ipv6 } ] [ summary | <ipv6-addr> | <ipv6-prefix> [ longer-prefixes [ summary ] ] ] [ direct-mask
] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ipv6	Display IS-IS IPv6 information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	(Optional) Display routes with direct-mask set

Command Mode

- /exec

show isis ipv6 route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 route [ topology { [ base ] |
mt-ipv6 } ] [ summary | detail | private | <ipv6-addr> [ detail | private ] | <ipv6-prefix> [ detail | private |
longer-prefixes [ summary | detail | private ] ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
ipv6	Display IS-IS IPv6 information
route	Display IS-IS route information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show isis ipv6 summary-address

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 summary-address [ <ipv6-addr>
| <ipv6-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
ipv6	Display IS-IS IPv6 information
summary-address	Display IS-IS summary address
longer-prefixes	(Optional) Display exact match and more specific summary address

Command Mode

- /exec

show isis lslib

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] lslib [ cache [ nodes | links | prefixes
| node <s0> | link <s1> | prefix <s2> | links-of-node <s3> | prefixes-of-node <s4> ] [ detail ] ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
lslib	LSLIB client information
cache	(Optional) Link-state cache in LSLIB
nodes	(Optional) All Node objects
links	(Optional) All Link objects
prefixes	(Optional) All Prefix objects
node	(Optional) One node object information
<i>s0</i>	(Optional) Node information
link	(Optional) One link object information
<i>s1</i>	(Optional) Link information
prefix	(Optional) One prefix object information
<i>s2</i>	(Optional) Prefix information
links-of-node	(Optional) All links information of a node
<i>s3</i>	(Optional) Node information
prefixes-of-node	(Optional) All prefixes information of a node
<i>s4</i>	(Optional) Node information
detail	(Optional) Detailed info
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

show isis mesh-group

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] mesh-group [ <mesh-id> ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
mesh-group	Display IS-IS mesh-groups
<i>mesh-id</i>	(Optional) Display a single mesh-group

Command Mode

- /exec

show isis redistribute route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] redistribute route [ summary |
<ip-addr> | <ip-prefix> [ longer-prefixes [ summary ] ] ] [ direct-mask ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ip	(Optional) Display IS-IS IPv4 information
<i>ip-addr</i>	(Optional) Display single IP redistribute route
<i>ip-prefix</i>	(Optional) Display single exact match IP redistribute route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show isis route

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] route [ summary | detail | private
| <ip-addr> [ detail | private ] | <ip-prefix> [ detail | private | longer-prefixes [ summary | detail | private ] ] ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
ip	(Optional) Display IS-IS IPv4 information
route	Display IS-IS route information
<i>ip-addr</i>	(Optional) Display single IP route
<i>ip-prefix</i>	(Optional) Display single exact match IP route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show isis rrm

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] rrm <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
rrm	Display IS-IS Retransmit-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show isis segment-routing mapcache

```
show isis [ <isis-tag> ] segment-routing mapcache [ level-1 | level-2 ] [ <ipv4-prefix> ] [ sid <sr-sid> ] [ vrf
{ <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
mapcache	prefix-sid mappings
level-1	(Optional) show information for level 1 only
level-2	(Optional) show information for level 2 only
<i>ipv4-prefix</i>	(Optional) Display single exact match IP route
sid	(Optional) show information for this SR SID value
<i>sr-sid</i>	(Optional) SR SID value
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

show isis segment-routing remote-srgb

show isis [<isis-tag>] segment-routing remote-srgb [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
remote-srgb	remote SR ranges
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

show isis segment-routing sids

show isis [<isis-tag>] segment-routing sids [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	show segment-routing information
sids	sid database
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

show isis segment-routing srv6

show isis [<isis-tag>] segment-routing srv6 [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	Segment-routing properties
srv6	Segment-routing for IPv6
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

show isis segment-routing srv6 locators

show isis [<isis-tag>] segment-routing srv6 locators [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
segment-routing	Segment-routing properties
srv6	Segment-routing for IPv6
locators	IS-IS SRv6 Locator Table
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

show isis spf-log

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] spf-log [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
detail	(Optional) Display detail ISIS SPF information

Command Mode

- /exec

show isis srm

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] srm <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
srm	Display IS-IS Send-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show isis ssn

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ssn <interface> [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
ssn	Display IS-IS Send-Sequence-Number information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show isis statistics

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ <interface> ] [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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	Display IS-IS protocol statistics
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show isis summary-address

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] summary-address [ <ip-addr> |
<ip-prefix> [ longer-prefixes ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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
ip	(Optional) Display IS-IS IPv4 information
summary-address	Display IS-IS summary address
<i>ip-addr</i>	(Optional) Display single IP summary address
<i>ip-prefix</i>	(Optional) Display single exact match IP summary address
longer-prefixes	(Optional) Display exact match and more specific summary address

Command Mode

- /exec

show isis topology

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] topology [ base | mt-ipv6 ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<i>isis-tag</i>	(Optional) Routing process tag
topology	Display IS-IS Topology information
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
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

show isis traffic

```
show isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> ] [ interfaces ] [ mbuf-priority ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
<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	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
interfaces	(Optional) Display IS-IS traffic information for all interfaces
mbuf-priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show itd

```
show itd [ <svc-name> ] [ brief ]
```

Syntax Description

show	Show running system information
itd	ITD service
<i>svc-name</i>	(Optional) ITD service name
brief	(Optional) brief

Command Mode

- /exec

show itd session device-group

show itd session device-group [<name>]

Syntax Description

show	Show running system information
itd	ITD service
session	ITD service session
device-group	ITD service session device-group
<i>name</i>	(Optional) ITD Service session name

Command Mode

- /exec

show itd statistics

```
show itd { <svc-name> | all } [ { src { <src-ip> | <src-IPv6> } } | { dst { <dst-ip> | <dst-IPv6> } } ] statistics  
[ brief ]
```

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show itd vrf

show itd vrf [<name>]

Syntax Description

show	Show running system information
itd	ITD service
vrf	ITD service vrf
<i>name</i>	(Optional) ITD Service VRF name

Command Mode

- /exec

show itu channel

show itu channel { <itu_val> | all }

Syntax Description

show	Show running system information
itu	Show itu channel mapping
channel	Show itu channel mapping
<i>itu_val</i>	Enter itu channel
all	Show all itu channel mapping

Command Mode

- /exec



K Show Commands

- [show key chain, on page 1158](#)
- [show key chain mode decrypt, on page 1159](#)
- [show keystore, on page 1160](#)
- [show kim inconsistency, on page 1161](#)
- [show kubernetes containers, on page 1162](#)

show key chain

show key chain [<keychain> | dynamic] [detail]

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name
detail	(Optional) Detailed information
dynamic	(Optional) Dynamically created keychain

Command Mode

- /exec

show key chain mode decrypt

show key chain [<keychain>] mode decrypt

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
<i>keychain</i>	(Optional) Keychain name
mode	Mode of display
decrypt	Display Decrypted Keystings

Command Mode

- /exec

show keystore

show keystore

Syntax Description

keystore	keystore stats
----------	----------------

Command Mode

- /exec

show kim inconsistency

show kim inconsistency

Syntax Description

show	Show running system information
kim	Display KIM information
inconsistency	KIM inconsistency

Command Mode

- /exec

show kubernetes containers

show kubernetes containers [brief | interface <if_name> | mgmt0]

Syntax Description

show	Show running system information
kubernetes	Show kubernetes
containers	containers
brief	(Optional) Show brief information
interface	(Optional) Interface name
<i>if_name</i>	(Optional) Physical interface
mgmt0	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec



L Show Commands

- [show l2 mroute](#), on page 1170
- [show l2 multicast ftag](#), on page 1171
- [show l2 multicast trees](#), on page 1172
- [show l2 route](#), on page 1173
- [show l2rib clients](#), on page 1174
- [show l2rib producers](#), on page 1175
- [show l2rib registrations](#), on page 1177
- [show l2route cmcast topology](#), on page 1178
- [show l2route evpn ead](#), on page 1179
- [show l2route evpn ethernet-segment esi](#), on page 1180
- [show l2route evpn fl all](#), on page 1181
- [show l2route evpn fl evi](#), on page 1182
- [show l2route evpn imet all](#), on page 1183
- [show l2route evpn imet evi](#), on page 1184
- [show l2route evpn mac-ip all](#), on page 1185
- [show l2route evpn mac-ip evi](#), on page 1186
- [show l2route evpn mac all](#), on page 1187
- [show l2route evpn mac evi](#), on page 1188
- [show l2route evpn path-list all](#), on page 1189
- [show l2route evpn startup-route all](#), on page 1190
- [show l2route evpn startup-route evi](#), on page 1191
- [show l2route evpn topo-child-attr all](#), on page 1192
- [show l2route evpn topo-child-attr evi](#), on page 1193
- [show l2route fhs topology](#), on page 1194
- [show l2route fl topology](#), on page 1195
- [show l2route mac topology](#), on page 1196
- [show l2route peerid](#), on page 1197
- [show l2route spmsi topology](#), on page 1198
- [show l2route summary](#), on page 1199
- [show l2route topology](#), on page 1200
- [show l2route topology](#), on page 1201
- [show lacp counters](#), on page 1202
- [show lacp interface](#), on page 1203

- [show lacp issu-impact](#), on page 1204
- [show lacp neighbor](#), on page 1205
- [show lacp port-channel](#), on page 1206
- [show lacp system-identifier](#), on page 1207
- [show lcmd dot1x address](#), on page 1208
- [show lcmd dot1x port](#), on page 1209
- [show lcmd stats interface](#), on page 1210
- [show ldap-search-map](#), on page 1211
- [show ldap-server](#), on page 1212
- [show ldap-server groups](#), on page 1213
- [show ldap-server statistics](#), on page 1214
- [show license](#), on page 1215
- [show license all](#), on page 1216
- [show license brief](#), on page 1217
- [show license certs](#), on page 1218
- [show license data conversion](#), on page 1219
- [show license default](#), on page 1220
- [show license eventlog](#), on page 1221
- [show license feature package mapping](#), on page 1222
- [show license file](#), on page 1223
- [show license history message](#), on page 1224
- [show license host-id](#), on page 1225
- [show license rum id](#), on page 1226
- [show license status](#), on page 1227
- [show license summary](#), on page 1228
- [show license tech support](#), on page 1229
- [show license udi](#), on page 1230
- [show license usage](#), on page 1231
- [show license version](#), on page 1232
- [show line](#), on page 1233
- [show line console](#), on page 1234
- [show line console connected](#), on page 1235
- [show line console user-input-string](#), on page 1236
- [show lisp ddt](#), on page 1237
- [show lisp ddt queue](#), on page 1238
- [show lisp ddt referral-cache](#), on page 1239
- [show lisp dynamic-eid](#), on page 1240
- [show lisp elp](#), on page 1241
- [show lisp negative-prefix](#), on page 1242
- [show lisp proxy-itr](#), on page 1243
- [show lisp site](#), on page 1244
- [show lisp site instance-id](#), on page 1245
- [show lldp all](#), on page 1246
- [show lldp dcbx interface](#), on page 1247
- [show lldp entry](#), on page 1248
- [show lldp interface](#), on page 1249

- [show lldp neighbors](#), on page 1250
- [show lldp neighbors detail](#), on page 1251
- [show lldp neighbors system-detail](#), on page 1252
- [show lldp poe interface](#), on page 1253
- [show lldp portid-subtype](#), on page 1254
- [show lldp timers](#), on page 1255
- [show lldp tlv-select](#), on page 1256
- [show lldp traffic](#), on page 1257
- [show lldp traffic interface](#), on page 1258
- [show lldp traffic interface all](#), on page 1259
- [show locator-led status](#), on page 1260
- [show logging](#), on page 1261
- [show logging console](#), on page 1262
- [show logging dropcount](#), on page 1263
- [show logging history](#), on page 1264
- [show logging info](#), on page 1265
- [show logging last](#), on page 1266
- [show logging level](#), on page 1267
- [show logging level](#), on page 1268
- [show logging level aaa](#), on page 1270
- [show logging level acl](#), on page 1271
- [show logging level aclmgr](#), on page 1272
- [show logging level adbm](#), on page 1273
- [show logging level adjmgr](#), on page 1274
- [show logging level amt](#), on page 1275
- [show logging level app-hosting](#), on page 1276
- [show logging level arp](#), on page 1277
- [show logging level ascii-cfg](#), on page 1278
- [show logging level assoc_mgr](#), on page 1279
- [show logging level backup](#), on page 1280
- [show logging level bfd](#), on page 1281
- [show logging level bgp](#), on page 1282
- [show logging level bloggerd](#), on page 1283
- [show logging level bootvar](#), on page 1284
- [show logging level callhome](#), on page 1285
- [show logging level capability](#), on page 1286
- [show logging level cdp](#), on page 1287
- [show logging level cert_enroll](#), on page 1288
- [show logging level cfs](#), on page 1289
- [show logging level clis](#), on page 1290
- [show logging level clk_mgr](#), on page 1291
- [show logging level confcheck](#), on page 1292
- [show logging level copp](#), on page 1293
- [show logging level core-dmon](#), on page 1294
- [show logging level cryptopqc](#), on page 1295
- [show logging level cts](#), on page 1296

- [show logging level device-alias](#), on page 1297
- [show logging level dhclient](#), on page 1298
- [show logging level dhcp_snoop](#), on page 1299
- [show logging level diagnostic diag_port_lb](#), on page 1300
- [show logging level diagnostic diagclient](#), on page 1301
- [show logging level diagnostic diagmgr](#), on page 1302
- [show logging level dot1x](#), on page 1303
- [show logging level dpvm](#), on page 1304
- [show logging level ecp](#), on page 1305
- [show logging level eigrp](#), on page 1306
- [show logging level eltm](#), on page 1307
- [show logging level epbr](#), on page 1308
- [show logging level epp](#), on page 1309
- [show logging level ethdstats](#), on page 1310
- [show logging level ethpm](#), on page 1311
- [show logging level evb](#), on page 1312
- [show logging level evmc](#), on page 1313
- [show logging level evmed](#), on page 1314
- [show logging level evms](#), on page 1315
- [show logging level fabric forwarding](#), on page 1316
- [show logging level fabricpath isis](#), on page 1317
- [show logging level fabricpath switch-id](#), on page 1318
- [show logging level fc2d](#), on page 1319
- [show logging level fcdomain](#), on page 1320
- [show logging level fcns](#), on page 1321
- [show logging level fcoe_mgr](#), on page 1322
- [show logging level fcs](#), on page 1323
- [show logging level fdmi](#), on page 1324
- [show logging level feature-mgr](#), on page 1325
- [show logging level flogi](#), on page 1326
- [show logging level fs-daemon](#), on page 1327
- [show logging level fspf](#), on page 1328
- [show logging level fsync_mgr](#), on page 1329
- [show logging level gpixm](#), on page 1330
- [show logging level hardware-telemetry](#), on page 1331
- [show logging level hsrp](#), on page 1332
- [show logging level igmp](#), on page 1333
- [show logging level im](#), on page 1334
- [show logging level imp](#), on page 1335
- [show logging level interface-vlan](#), on page 1336
- [show logging level ip sla responder](#), on page 1337
- [show logging level ip sla sender](#), on page 1338
- [show logging level ip sla twamp-server](#), on page 1339
- [show logging level ipconf](#), on page 1340
- [show logging level ipfib](#), on page 1341
- [show logging level ipqos](#), on page 1342

- [show logging level ipv6 icmp, on page 1343](#)
- [show logging level ipv6 mfw, on page 1344](#)
- [show logging level ipv6 pim, on page 1345](#)
- [show logging level iscm, on page 1346](#)
- [show logging level iscm, on page 1347](#)
- [show logging level isis, on page 1348](#)
- [show logging level l2fm, on page 1349](#)
- [show logging level l2rib, on page 1350](#)
- [show logging level l3vm, on page 1351](#)
- [show logging level lacp, on page 1352](#)
- [show logging level ldap, on page 1353](#)
- [show logging level lim, on page 1354](#)
- [show logging level lisp, on page 1355](#)
- [show logging level lldp, on page 1356](#)
- [show logging level m2rib, on page 1357](#)
- [show logging level mfdm, on page 1358](#)
- [show logging level mfw, on page 1359](#)
- [show logging level mld, on page 1360](#)
- [show logging level mmode, on page 1361](#)
- [show logging level module, on page 1362](#)
- [show logging level monitor, on page 1363](#)
- [show logging level mpls manager, on page 1364](#)
- [show logging level mpls switching, on page 1365](#)
- [show logging level msdp, on page 1366](#)
- [show logging level mvsh, on page 1367](#)
- [show logging level nat, on page 1368](#)
- [show logging level nbm, on page 1369](#)
- [show logging level netstack, on page 1370](#)
- [show logging level nfm, on page 1371](#)
- [show logging level ngmvpn, on page 1372](#)
- [show logging level ngoam, on page 1373](#)
- [show logging level npv, on page 1374](#)
- [show logging level ntp, on page 1375](#)
- [show logging level nve, on page 1376](#)
- [show logging level nxsdk, on page 1377](#)
- [show logging level ofm, on page 1378](#)
- [show logging level ospf, on page 1379](#)
- [show logging level ospfv3, on page 1380](#)
- [show logging level otv isis, on page 1381](#)
- [show logging level pfstat, on page 1382](#)
- [show logging level pim, on page 1383](#)
- [show logging level pixm, on page 1384](#)
- [show logging level pktmgr, on page 1385](#)
- [show logging level platform, on page 1386](#)
- [show logging level plcmgr, on page 1387](#)
- [show logging level pltfm_config, on page 1388](#)

- [show logging level pltm](#), on page 1389
- [show logging level plugin](#), on page 1390
- [show logging level poed](#), on page 1391
- [show logging level port-channel](#), on page 1392
- [show logging level port-profile](#), on page 1393
- [show logging level port-resources](#), on page 1394
- [show logging level port-security](#), on page 1395
- [show logging level port](#), on page 1396
- [show logging level private-vlan](#), on page 1397
- [show logging level ptp](#), on page 1398
- [show logging level radius](#), on page 1399
- [show logging level rdl](#), on page 1400
- [show logging level res_mgr](#), on page 1401
- [show logging level rib](#), on page 1402
- [show logging level rip](#), on page 1403
- [show logging level routing ipv6 multicast](#), on page 1404
- [show logging level routing multicast](#), on page 1405
- [show logging level rpm](#), on page 1406
- [show logging level rscn](#), on page 1407
- [show logging level sal](#), on page 1408
- [show logging level san-port-channel](#), on page 1409
- [show logging level san-port-channel](#), on page 1410
- [show logging level scheduler](#), on page 1411
- [show logging level scsi-target](#), on page 1412
- [show logging level security](#), on page 1413
- [show logging level segment-routing](#), on page 1414
- [show logging level session-mgr](#), on page 1415
- [show logging level sflow](#), on page 1416
- [show logging level smm](#), on page 1417
- [show logging level snmpd](#), on page 1418
- [show logging level snmpmib_proc](#), on page 1419
- [show logging level spanning-tree](#), on page 1420
- [show logging level spm](#), on page 1421
- [show logging level stripcl](#), on page 1422
- [show logging level sync](#), on page 1423
- [show logging level sysmgr](#), on page 1424
- [show logging level tacacs](#), on page 1425
- [show logging level telemetry](#), on page 1426
- [show logging level template_manager](#), on page 1427
- [show logging level tpm](#), on page 1428
- [show logging level track](#), on page 1429
- [show logging level tunnel-encryption](#), on page 1430
- [show logging level tunnel](#), on page 1431
- [show logging level u2rib](#), on page 1432
- [show logging level u6rib](#), on page 1433
- [show logging level udd](#), on page 1434

- [show logging level ufdm](#), on page 1435
- [show logging level urib](#), on page 1436
- [show logging level vdc_mgr](#), on page 1437
- [show logging level virtual-service](#), on page 1438
- [show logging level vlan_mgr](#), on page 1439
- [show logging level vmm](#), on page 1440
- [show logging level vmtracker](#), on page 1441
- [show logging level vpc](#), on page 1442
- [show logging level vrrp-cfg](#), on page 1443
- [show logging level vrrp-eng](#), on page 1444
- [show logging level vrrpv3](#), on page 1445
- [show logging level vsan](#), on page 1446
- [show logging level vshd](#), on page 1447
- [show logging level vtp](#), on page 1448
- [show logging level wwn](#), on page 1449
- [show logging level xbar](#), on page 1450
- [show logging level zone](#), on page 1451
- [show logging logfile](#), on page 1452
- [show logging logfile duration](#), on page 1453
- [show logging logfile last-index](#), on page 1454
- [show logging logfile start-seqn](#), on page 1455
- [show logging logfile start-time](#), on page 1456
- [show logging loopback](#), on page 1457
- [show logging module](#), on page 1458
- [show logging monitor](#), on page 1459
- [show logging nvram](#), on page 1460
- [show logging onboard](#), on page 1461
- [show logging onboard](#), on page 1464
- [show logging onboard kernel-trace](#), on page 1465
- [show logging origin-id](#), on page 1466
- [show logging pending-diff](#), on page 1467
- [show logging pending](#), on page 1468
- [show logging rate-limit](#), on page 1469
- [show logging rfc-strict](#), on page 1470
- [show logging server](#), on page 1471
- [show logging session status](#), on page 1472
- [show logging source-interface](#), on page 1473
- [show logging status](#), on page 1474
- [show logging timestamp](#), on page 1475
- [show login on-failure log](#), on page 1476
- [show login on-successful log](#), on page 1477

show l2 mroute

```
show { l2 | fabricpath } mroute { [ vdc-omf ] { [ resolved ] } | [ vlan <vlanid> ] { { [ omf ] | [ flood ] | [ source
{ <srcaddr> | <v6srcaddr> | <macsrcaddr> } ] [ group { <groupaddr> | <v6groupaddr> | <macgroupaddr> }
] } [ resolved ] [ ftag <ftag-id> ] [ hex ] } }
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
mroute	Show multicast route database
vdc-omf	(Optional) Display vdc omf route
vlan	(Optional) Show information for a vlan
omf	(Optional) Show catch-all entry consisting of mroute ports
flood	(Optional) Display vlan flood route
ftag	(Optional) Show ftag number
source	(Optional) Show (s, g) source IP address
group	(Optional) Show group address
hex	(Optional) Display switch-ids in hex
<i>vlanid</i>	(Optional) Vlan value
<i>ftag-id</i>	(Optional) ftag id
<i>groupaddr</i>	(Optional) Group address
<i>macgroupaddr</i>	(Optional) MAC Group address
<i>srcaddr</i>	(Optional) Source address
<i>macsrcaddr</i>	(Optional) MAC source address
resolved	(Optional) Resolve switchid nexthops into the underlying interfaces

Command Mode

- /exec

show l2 multicast ftag

show { l2 | fabricpath } multicast ftag [<ftag-id>]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
ftag	ftag number
<i>ftag-id</i>	(Optional) ftag id

Command Mode

- /exec

show l2 multicast trees

show { l2 | fabricpath } multicast trees [topo <topo-id>] [ftag <ftag-id>] [hex]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
trees	Show the broadcast/multicast tree database
topo	(Optional) Show topo instance
ftag	(Optional) Show ftag number
hex	(Optional) Display switch-ids in hex
<i>topo-id</i>	(Optional) topo id
<i>ftag-id</i>	(Optional) ftag id

Command Mode

- /exec

show l2 route

```
show { l2 | fabricpath } route [ topology { <topo_val> [ switchid <switchid> ] | all } | switchid <switchid> ]
[ detail | hex ] +
```

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
route	Show FabricPath route information
topology	(Optional) topology
<i>topo_val</i>	(Optional) topology value
switchid	(Optional) switchid
<i>switchid</i>	(Optional) switchid value
all	(Optional) all topologies
detail	(Optional) detail
hex	(Optional) display in hex

Command Mode

- /exec

show l2rib clients

show l2rib clients [<client_id>]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
clients	L2RIB Clients
<i>client_id</i>	(Optional) Enter Client ID

Command Mode

- /exec

show l2rib producers

show l2rib producers [{ topology | mac | mac-ip | ead | pl | imet | flood-list | startup-route | peerid | es | topo-child-attr } [static | local | bgp | vxlan | hmm | arp | ofa | lisp]] [detail]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
producers	L2RIB Producers
detail	(Optional) Detailed information
topology	(Optional) Filter on Topology
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
peerid	(Optional) Filter on Peerid
es	(Optional) Filter on ES
static	(Optional) Static
local	(Optional) Local
bgp	(Optional) BGP
vxlan	(Optional) VXLAN
hmm	(Optional) HMM
arp	(Optional) ARP
ofa	(Optional) OFA
lisp	(Optional) lisp
topo-child-attr	(Optional) Filter on Topo child attr

Command Mode

- /exec

show l2rib registrations

```
show l2rib registrations [ client <client_id> [ <topo_id> { mac | mac-ip | ead | pl | imet | flood-list |
local-learn-signal | startup-route | topo | es | topo-child-attr } ] ]
```

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
registrations	L2RIB Registrations
client	(Optional) Global Registraion Entries
<i>client_id</i>	(Optional) Enter Client ID
<i>topo_id</i>	(Optional) Enter Topology ID
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
es	(Optional) Filter on Ethernet Segment ID
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
local-learn-signal	(Optional) Filter on Local Learn Signal
topo	(Optional) Filter on Topo Subtype
topo-child-attr	(Optional) Filter on Topo Chil Attr

Command Mode

- /exec

show l2route cmcast topology

show l2route cmcast { topology <topo-id> | all } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
cmcast	CMCAST Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn ead

```
show l2route evpn ead { all | es | evi } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ead	EAD
all	Display all routes without filtering
es	Display only EAD ES routes
evi	Display only EAD EVI routes
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn ethernet-segment esi

show l2route evpn ethernet-segment { esi <esi-id> | all } [bgp | vxlan] [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ethernet-segment	Ethernet Segment ID
esi	ESI Value
<i>esi-id</i>	ESI ID
all	Display all entries without filtering
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn fl all

show l2route evpn fl all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn fl evi

show l2route evpn fl evi <vpn-id> [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn imet all

show l2route evpn imet all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn imet evi

show l2route evpn imet evi { <vpn-id> | vni <vnid> } [bgp | vxlan] [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
vni	Filter on VNI
<i>vnid</i>	VNI
bgp	(Optional) Filter on BGP producer (remote imet routes)
vxlan	(Optional) Filter on VXLAN producer (local imet routes)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac-ip all

show l2route evpn mac-ip all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac-ip evi

```
show l2route evpn mac-ip evi <vpn-id> [ arp | bgp | hmm ] [ mac <mac_addr> ] [ host-ip { <ipv4_host> | <ipv6_host> } ] [ next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
arp	(Optional) Filter on ARP producer
bgp	(Optional) Filter on BGP producer
hmm	(Optional) Filter on HMM producer
mac	(Optional) Filter on MAC address
<i>mac_addr</i>	(Optional) 48-bit MAC address value
host-ip	(Optional) Filter on Host IP address
<i>ipv4_host</i>	(Optional) IPv4 address
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac all

show l2route evpn mac all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn mac evi

```
show l2route evpn mac evi { <vpn-id> | vni <vnid> } [ static | local | bgp | vxlan | lisp ] [ mac <mac_addr> ]
[ next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> } ] [ esi <esi-id> ] [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
vni	Filter on VNI
<i>vnid</i>	VNI
static	(Optional) Filter on Static producer
local	(Optional) Filter on Local producer
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
lisp	(Optional) Filter on LISP producer
mac	(Optional) Filter on MAC address
esi	(Optional) Filter on ESI value
<i>mac_addr</i>	(Optional) Enter 48-bit MAC address value
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
<i>ipv4_addr</i>	(Optional) IPv4 address of Next Hop
<i>if-hdl</i>	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn path-list all

```
show l2route evpn path-list { all | esi <esi-id> } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
path-list	Path-List
all	Display all routes without filtering
esi	ESI Value
<i>esi-id</i>	ESI ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn startup-route all

show l2route evpn startup-route all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn startup-route evi

show l2route evpn startup-route evi <vpn-id> [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn topo-child-attr all

show l2route evpn topo-child-attr all [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
all	Display all topo-child-attr entries
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route evpn topo-child-attr evi

show l2route evpn topo-child-attr evi <vpn-id> [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
topo-child-attr	Topo Child Attr
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
<i>vpn-id</i>	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route fhs topology

show l2route fhs { topology <topo-id> | all } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fhs	FHS(First Hop Security) Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route fl topology

```
show l2route fl { topology <topo-id> | all } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fl	Flood List
all	Display all routes without filtering
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route mac topology

```
show l2route { mac-ip } { topology <topo-id> | all } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
mac-ip	MAC-IP Route
all	Display all routes without filtering
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route peerid

show l2route peerid [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
peerid	Display Peer ID DB
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route spmsi topology

show l2route spmsi { topology <topo-id> | all } [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
spmsi	SPMSI Route
topology	Filter on topology ID
<i>topo-id</i>	topology ID
all	Display all routes without filtering
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route summary

show l2route summary

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
summary	Summary

Command Mode

- /exec

show l2route topology

```
show l2route { mac | dataplane mac [ local | remote ] } { topology <topo-id> | all } [ detail ]
```

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
dataplane	dataplane
mac	MAC Route
all	Display all routes without filtering
local	(Optional) dataplane learnt local routes
remote	(Optional) dataplane learnt remote routes
topology	Filter on topology ID
<i>topo-id</i>	topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show l2route topology

show l2route topology [<topo_id>] [detail]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
topology	Display topology IDs
<i>topo_id</i>	(Optional) Enter Topology ID
detail	(Optional) Detailed information

Command Mode

- /exec

show lacp counters

show lacp counters [interface <if0>] [detail]

Syntax Description

show	Show running system information
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
detail	(Optional) For more counters
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp interface

show lacp interface [<if0>]

Syntax Description

show	Show running system information
lacp	LACP protocol
interface	Specify a interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp issu-impact

show lacp issu-impact

Syntax Description

show	Show running system information
lacp	Show LACP information
issu-impact	Check for ISSU readiness

Command Mode

- /exec

show lacp neighbor

show lacp neighbor [interface <if0>]

Syntax Description

show	Show running system information
lacp	LACP protocol
neighbor	LACP interface neighbor
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp port-channel

show lacp port-channel [interface <if0>]

Syntax Description

show	Show running system information
lacp	LACP protocol
port-channel	LACP port-channels
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

show lacp system-identifier

show lacp system-identifier

Syntax Description

show	Show running system information
lacp	LACP protocol
system-identifier	Show system-identifier information

Command Mode

- /exec

show lcnd dot1x address

show lcnd dot1x address { <macaddr> | all }

Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
address	Address in lcnd auth_db
<i>macaddr</i>	MAC address
all	Display all addresses in lcnd auth_db

Command Mode

- /exec

show lcnd dot1x port

show lcnd dot1x port <portnum>

Syntax Description

show	Show running system information
lcnd	LCND information
dot1x	Dot1x information
port	Port number
<i>portnum</i>	Port number

Command Mode

- /exec

show lcmd stats interface

show lcmd stats interface <interface>

Syntax Description

show	Show running system information
lcmd	lcmd
stats	statistics
interface	get interface related stats at lcmd level
<i>interface</i>	Interface name to display

Command Mode

- /exec

show ldap-search-map

show ldap-search-map

Syntax Description

show	Show running system information
ldap-search-map	Show LDAP configuration information

Command Mode

- /exec

show ldap-server

show ldap-server

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information

Command Mode

- /exec

show ldap-server groups

show ldap-server groups

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
groups	Show LDAP server group configuration information

Command Mode

- /exec

show ldap-server statistics

show ldap-server statistics <host0>

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
statistics	Show LDAP statistics
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show license

show license

Syntax Description

show	Show running system information
license	show the contents of all the license files

Command Mode

- /exec

show license all

show license all

Syntax Description

show	Show running system information
license	Show the contents of all the license files
all	All Smart license agent information

Command Mode

- /exec

show license brief

show license brief

Syntax Description

show	Show running system information
license	show the contents of all the license files
brief	Show a list of license files

Command Mode

- /exec

show license certs

show license certs

Syntax Description

show	Show running system information
license	Show the contents of all the license files
certs	Smart License certificates

Command Mode

- /exec

show license data conversion

show license data conversion

Syntax Description

show	Show running system information
license	Show the contents of all the license files
data	Show data for device led conversions
conversion	Smart license conversion related commands

Command Mode

- /exec

show license default

show license default

Syntax Description

show	Show running system information
license	show the contents of all the license files
default	Show services using default license

Command Mode

- /exec

show license eventlog

show license eventlog

Syntax Description

show	Show running system information
license	Show the contents of all the license files
eventlog	Event log

Command Mode

- /exec

show license feature package mapping

show license feature package mapping

Syntax Description

show	Show running system information
license	show the contents of all the license files
feature	Show application name
package	Show license package name
mapping	Show mapping between application and package name

Command Mode

- /exec

show license file

show license file <license-file>

Syntax Description

show	Show running system information
license	Show the contents of all the license files
file	Show contents of a license file
<i>license-file</i>	Show the contents of license file __nil__ Please install a license before using this command.

Command Mode

- /exec

show license history message

show license history message

Syntax Description

show	Show running system information
license	Show the contents of all the license files
history	Show license history information
message	Show license messaging history information

Command Mode

- /exec

show license host-id

show license host-id

Syntax Description

show	Show running system information
license	Show the contents of all the license files
host-id	Show unique id for this host for licensing

Command Mode

- /exec

show license rum id

show license rum id { <report_id> | all } [detail]

Syntax Description

show	Show running system information
license	License related command
rum	Smart license RUM report related commands
id	Specify selection of RUM report IDs
<i>report_id</i>	ID of the report to display
all	All know usage reports
detail	(Optional) Display detailed information instead of a simplified list

Command Mode

- /exec

show license status

show license status

Syntax Description

show	Show running system information
license	Show the contents of all the license files
status	Smart license agent status

Command Mode

- /exec

show license summary

show license summary

Syntax Description

show	Show running system information
license	Show the contents of all the license files
summary	Smart license agent summary

Command Mode

- /exec

show license tech support

show license tech support

Syntax Description

show	Show running system information
license	Show the contents of all the license files
tech	Gather information for troubleshooting
support	Gather information for troubleshooting

Command Mode

- /exec

show license udi

show license udi

Syntax Description

show	Show running system information
license	Show the contents of all the license files
udi	device udi

Command Mode

- /exec

show license usage

show license usage [{ detail | <license-feature> }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
usage	Show license usage table
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>license-feature</i>	(Optional) Show usage of this license package

Command Mode

- /exec

show license version

show license version

Syntax Description

show	Show running system information
license	Show the contents of all the license files
version	Smart License version

Command Mode

- /exec

show line

show line

Syntax Description

show	Show running system information
line	Show the line configuration

Command Mode

- /exec

show line console

show line console

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations

Command Mode

- /exec

show line console connected

show line console connected

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
connected	Show whether the line is currently connected physically

Command Mode

- /exec

show line console user-input-string

show line console user-input-string

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
user-input-string	Show user-input init string

Command Mode

- /exec

show lisp ddt

```
show lisp ddt [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt queue

```
show lisp ddt queue [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
queue	Display LISP-DDT Map-Request queue in Map-Resolver
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt referral-cache

```
{ show lisp ddt referral-cache [ [ instance-id <iid> ] { <eid> | <eid6> } ] [ vrf { <vrf-name> | <vrf-known-name>
} ] ] | { show lisp ddt referral-cache { ms-ack | ms-referral | node-referral | ms-not-registered | delegation-hole
| not-authoritative } [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
referral-cache	Display LISP-DDT referral cache
instance-id	(Optional) Show instance-ID summary display
<i>iid</i>	(Optional) Instance-ID for EID-prefix
<i>eid</i>	(Optional) IPv4 EID address
ms-ack	Referral cache entries to map-servers
ms-referral	Referral cache entries from parent of map-servers
node-referral	Referral cache entries from parent of DDT-nodes
ms-not-registered	Referral cache entries from map-servers
delegation-hole	Referral cache entries from any DDT-node
not-authoritative	Referral cache entries from any DDT-node
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp dynamic-eid

```
{ show lisp dynamic-eid { summary | { [ <dyn-eid-name> ] [ detail ] } } [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
dynamic-eid	Display dynamic-EIDs configured and discovered
summary	One-line summary display of discovered dynamic-EIDs
<i>dyn-eid-name</i>	(Optional) Display a single dynamic-EID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
detail	(Optional) Display discovered dynamic-EIDs

Command Mode

- /exec

show lisp elp

```
show lisp elp [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
elp	Display LISP Explicit Locator Paths configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp negative-prefix

show lisp negative-prefix { <eid> | <eid6> } [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
negative-prefix	Compute negative-prefix for hole in EID space
<i>eid</i>	IPv4 EID address
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp proxy-itr

```
show lisp proxy-itr [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

show	Show running system information
lisp	LISP show commands
proxy-itr	Display discovered proxy-ITRs (PITRs)
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lisp site

```
{ show lisp site [ { { <eid> | <eid6> } [ instance-id <iid> ] } | { { <eid-prefix> | <eid-prefix6> } [ instance-id <iid> ] } | <site-name> ] [ detail ] [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>eid</i>	(Optional) Display mapping for IP destination EID
<i>eid-prefix</i>	(Optional) Display exact match for IP EID-prefix entry
instance-id	(Optional) Instance EID-prefix registered in
<i>iid</i>	(Optional) Instance-ID value
<i>site-name</i>	(Optional) Display a single site
detail	(Optional) Display allowed registered locator sources

Command Mode

- /exec

show lisp site instance-id

```
{ show lisp site instance-id [ <iid> ] [ vrf { <vrf-name> | <vrf-known-name> } ] }
```

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
instance-id	Show instance-ID summary display
<i>iid</i>	(Optional) Show detail for entries of a single Instance-ID
vrf	(Optional) Display information for vrf
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

show lldp all

show lldp all

Syntax Description

show	Show running system information
lldp	Show lldp Protocol information
all	Show all interfaces in lldp database

Command Mode

- /exec

show lldp dcbx interface

show lldp dcbx interface <if_in>

Syntax Description

show	Show running system information
lldp	Show information about lldp
dcbx	Show dcbx information
interface	Show lldp interface information
<i>if_in</i>	Enter interface

Command Mode

- /exec

show lldp entry

show lldp entry [<sys-name>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
entry	Show lldp entry information
<i>sys-name</i>	(Optional) WORD Peer's System name

Command Mode

- /exec

show lldp interface

show lldp interface <if0>

Syntax Description

show	Show running system information
lldp	Show information about lldp
interface	Show lldp interface information
<i>if0</i>	Enter interface

Command Mode

- /exec

show lldp neighbors

show lldp neighbors [interface <if>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface

Command Mode

- /exec

show lldp neighbors detail

show lldp neighbors [interface <if>] detail

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
detail	Show lldp neighbor detail information

Command Mode

- /exec

show lldp neighbors system-detail

show lldp neighbors [interface <if>] system-detail

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
<i>if</i>	(Optional) Enter interface
system-detail	Show lldp neighbor system detail information

Command Mode

- /exec

show lldp poe interface

```
show lldp poe { interface <if0> }
```

Syntax Description

show	Show running system information
lldp	Show lldp protocol information
poe	Power over Ethernet
interface	Show lldp interface information
<i>if0</i>	Interface name

Command Mode

- /exec

show lldp portid-subtype

show lldp portid-subtype

Syntax Description

show	Show running system information
lldp	Show information about lldp
portid-subtype	Show lldp portid-subtype

Command Mode

- /exec

show lldp timers

show lldp timers

Syntax Description

show	Show running system information
lldp	Show information about lldp
timers	Show lldp timers

Command Mode

- /exec

show lldp tlv-select

show lldp tlv-select

Syntax Description

show	Show running system information
lldp	Show information about lldp
tlv-select	Show lldp tlv-select

Command Mode

- /exec

show lldp traffic

show lldp traffic

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters

Command Mode

- /exec

show lldp traffic interface

show lldp traffic interface <if>

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
<i>if</i>	Enter interface

Command Mode

- /exec

show lldp traffic interface all

show lldp traffic interface all

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
all	Get status for all interfaces

Command Mode

- /exec

show locator-led status

show locator-led status

Syntax Description

show	Show running system information
locator-led	blink locator led on device
status	status

Command Mode

- /exec

show logging

show logging

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile

Command Mode

- /exec

show logging console

show logging console

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
console	Show console logging configuration

Command Mode

- /exec

show logging dropcount

show logging dropcount

Syntax Description

show	logging dropcount
logging	Show logging drop count of syslogs
dropcount	Show logging dropcount

Command Mode

- /exec

show logging history

show logging history

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
history	Show logging history configuration

Command Mode

- /exec

show logging info

show logging info

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
info	Show logging configuration

Command Mode

- /exec

show logging last

show logging last <*i0*>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
last	Show last few lines of logfile
<i>i0</i>	Enter number of lines to display

Command Mode

- /exec

show logging level

show logging level

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level

show logging level [{ auth | authpriv | cron | daemon | ftp | kernel | local0 | local1 | local2 | local3 | local4 | local5 | local6 | local7 | lpr | mail | news | syslog | user | uucp }]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
auth	(Optional) Show Authorization System logging configuration
authpriv	(Optional) Show Authorization (Private) logging configuration
cron	(Optional) Show Cron/at facility logging configuration
daemon	(Optional) Show System daemons logging configuration
ftp	(Optional) Show File Transfer System logging configuration
kernel	(Optional) Show kernel logging configuration
local0	(Optional) Show Local use daemons logging configuration
local1	(Optional) Show Local use daemons logging configuration
local2	(Optional) Show Local use daemons logging configuration
local3	(Optional) Show Local use daemons logging configuration
local4	(Optional) Show Local use daemons logging configuration
local5	(Optional) Show Local use daemons logging configuration
local6	(Optional) Show Local use daemons logging configuration
local7	(Optional) Show Local use daemons logging configuration
lpr	(Optional) Show Line Printer System logging configuration
mail	(Optional) Show Mail System logging configuration
news	(Optional) Show USENET news logging configuration
syslog	(Optional) Show Internal Syslog Messages logging configuration
user	(Optional) Show user process logging configuration
uucp	(Optional) Show Unix-to-Unix copy system logging configuration

Command Mode

- /exec

show logging level aaa

show logging level aaa

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aaa	Show aaa logging configuration

Command Mode

- /exec

show logging level acl

show logging level acl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
acl	Show acl logging configuration

Command Mode

- /exec

show logging level aclmgr

show logging level aclmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aclmgr	Show aclmgr logging configuration

Command Mode

- /exec

show logging level adbm

show logging level adbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adbm	Show adbm logging configuration

Command Mode

- /exec

show logging level adjmgr

show logging level adjmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adjmgr	Show adjmgr logging configuration

Command Mode

- /exec

show logging level amt

show logging level amt

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
amt	Show amt logging configuration

Command Mode

- /exec

show logging level app-hosting

show logging level app-hosting

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
app-hosting	App Hosting

Command Mode

- /exec

show logging level arp

show logging level arp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
arp	Show arp logging configuration

Command Mode

- /exec

show logging level ascii-cfg

show logging level ascii-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ascii-cfg	Show ascii-cfg logging configuration

Command Mode

- /exec

show logging level assoc_mgr

show logging level assoc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
assoc_mgr	Show Association Manager Logging Configuration

Command Mode

- /exec

show logging level backup

show logging level { backup | flexlink }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
backup	Show Switchport Backup logging level
flexlink	Show Switchport Backup logging level

Command Mode

- /exec

show logging level bfd

show logging level bfd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bfd	Show bfd logging configuration

Command Mode

- /exec

show logging level bgp

show logging level bgp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bgp	Show BGP logging configuration

Command Mode

- /exec

show logging level bloggerd

show logging level bloggerd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bloggerd	Show BloggerD logging configuration

Command Mode

- /exec

show logging level bootvar

show logging level bootvar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bootvar	Show bootvar logging configuration

Command Mode

- /exec

show logging level callhome

show logging level callhome

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
callhome	Show callhome logging configuration

Command Mode

- /exec

show logging level capability

show logging level capability

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
capability	Show capability logging configuration

Command Mode

- /exec

show logging level cdp

show logging level cdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cdp	Show CDP logging configuration

Command Mode

- /exec

show logging level cert_enroll

show logging level cert_enroll

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cert_enroll	Show Cert-enroll logging configuration

Command Mode

- /exec

show logging level cfs

show logging level cfs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level clis

show logging level clis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clis	Show CLIS logging configuration

Command Mode

- /exec

show logging level clk_mgr

show logging level clk_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clk_mgr	Show clock manager logging configuration

Command Mode

- /exec

show logging level confcheck

show logging level confcheck

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
confcheck	Show confcheck logging configuration

Command Mode

- /exec

show logging level copp

show logging level copp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
copp	Show copp logging configuration

Command Mode

- /exec

show logging level core-dmon

show logging level core-dmon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
core-dmon	Show core daemon logging configuration

Command Mode

- /exec

show logging level cryptopqc

show logging level cryptopqc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cryptopqc	Show cryptopqc logging configuration

Command Mode

- /exec

show logging level cts

show logging level cts

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cts	Show cts logging configuration

Command Mode

- /exec

show logging level device-alias

show logging level device-alias

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
device-alias	Show device-alias logging configuration

Command Mode

- /exec

show logging level dhclient

show logging level dhclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhclient	Show syslog level for dhcp client

Command Mode

- /exec

show logging level dhcp_snoop

show logging level dhcp_snoop

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhcp_snoop	Show DHCP snoop logging configuration

Command Mode

- /exec

show logging level diagnostic diag_port_lb

show logging level diagnostic diag_port_lb

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diag_port_lb	Show diagmgr logging configuration

Command Mode

- /exec

show logging level diagnostic diagclient

show logging level diagnostic diagclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagclient	Show diagclient logging configuration

Command Mode

- /exec

show logging level diagnostic diagmgr

show logging level diagnostic diagmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagmgr	Show diagmgr logging configuration

Command Mode

- /exec

show logging level dot1x

show logging level dot1x

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dot1x	Show dot1x logging configuration

Command Mode

- /exec

show logging level dpvm

show logging level dpvm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ecp

show logging level ecp

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ecp	Set syslog filter level for ECP

Command Mode

- /exec

show logging level eigrp

show logging level eigrp [<eigrp-ptag>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eigrp	Show EIGRP logging configuration
<i>eigrp-ptag</i>	(Optional) Process tag

Command Mode

- /exec

show logging level eltm

show logging level eltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eltn	Show eltn logging configuration

Command Mode

- /exec

show logging level epbr

show logging level epbr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epbr	Show epbr logging configuration

Command Mode

- /exec

show logging level epp

show logging level epp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epp	Show epp logging configuration

Command Mode

- /exec

show logging level ethdstats

show logging level ethdstats

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethdstats	Show delta statistics logging configuration

Command Mode

- /exec

show logging level ethpm

show logging level ethpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethpm	Show ethpm logging configuration

Command Mode

- /exec

show logging level evb

show logging level evb

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evb	Set syslog filter level for EVB

Command Mode

- /exec

show logging level evmc

show logging level evmc

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmc	Show level for evmc syslog messages

Command Mode

- /exec

show logging level evmed

show logging level evmed

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmed	Show level for evmed syslog messages

Command Mode

- /exec

show logging level evms

show logging level evms

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evms	Show level for evms syslog messages

Command Mode

- /exec

show logging level fabric forwarding

show logging level fabric forwarding

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show logging level fabricpath isis

show logging level fabricpath isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	Show fabricpath logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level fabricpath switch-id

show logging level fabricpath switch-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fabricpath	fabricpath information
switch-id	show fabricpath switch-id logging configuration

Command Mode

- /exec

show logging level fc2d

show logging level fc2d

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fcdomain

show logging level fcdomain

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcdomain	Show fcdomain logging configuration

Command Mode

- /exec

show logging level fcns

show logging level fcns

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcns	Show fcns logging configuration

Command Mode

- /exec

show logging level fcoe_mgr

show logging level fcoe_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcoe_mgr	Show fcoe_mgr logging configuration

Command Mode

- /exec

show logging level fcs

show logging level fcs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fdmi

show logging level fdmi

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fdmi	Show fdmi logging configuration

Command Mode

- /exec

show logging level feature-mgr

show logging level feature-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
feature-mgr	Show feature manager logging configuration

Command Mode

- /exec

show logging level flogi

show logging level flogi

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
flogi	Show flogi logging configuration

Command Mode

- /exec

show logging level fs-daemon

show logging level fs-daemon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fs-daemon	Show fs-daemon logging configuration

Command Mode

- /exec

show logging level fspf

show logging level fspf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level fsync_mgr

show logging level fsync_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fsync_mgr	Frequency Synchronization Manager

Command Mode

- /exec

show logging level gpixm

show logging level gpixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
gpixm	Show global-pixm logging configuration

Command Mode

- /exec

show logging level hardware-telemetry

show logging level hardware-telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hardware-telemetry	Show hardware-telemetry logging configuration

Command Mode

- /exec

show logging level hsrp

show logging level hsrp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hsrp	Show HSRP logging configuration

Command Mode

- /exec

show logging level igmp

show logging level [ip] igmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
igmp	Show igmp logging configuration

Command Mode

- /exec

show logging level im

show logging level im

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
im	Show im logging configuration

Command Mode

- /exec

show logging level imp

show logging level imp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
imp	Show imp logging configuration

Command Mode

- /exec

show logging level interface-vlan

show logging level interface-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
interface-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ip sla responder

show logging level ip sla responder

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
responder	Show sla-responder logging configuration

Command Mode

- /exec

show logging level ip sla sender

show logging level ip sla sender

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
sender	Show sla-sender logging configuration

Command Mode

- /exec

show logging level ip sla twamp-server

show logging level ip sla twamp-server

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
twamp-server	Show sla-twamp-server logging configuration

Command Mode

- /exec

show logging level ipconf

show logging level ipconf [ipv6]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipconf	Show ipconf logging configuration
ipv6	(Optional) Show ipv6 Conf logging configuration

Command Mode

- /exec

show logging level ipfib

show logging level ipfib

Syntax Description

show	show
logging	logging
level	level
ipfib	ipfib

Command Mode

- /exec

show logging level ipqos

show logging level ipqos

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ipv6 icmp

show logging level ipv6 icmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Configure IPv6 features
icmp	Show icmpv6 logging configuration

Command Mode

- /exec

show logging level ipv6 mfwd

show logging level ipv6 mfwd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
mfwd	Show MCASTFWD v6 logging configuration

Command Mode

- /exec

show logging level ipv6 pim

show logging level ipv6 pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Display IPv6 information
pim	Show pim6 logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level isis

show logging level isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level l2fm

show logging level l2fm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l2fm	Show l2fm logging configuration

Command Mode

- /exec

show logging level l2rib

show logging level l2rib

Syntax Description

show	Show running system information
logging	show logging configuration and contents of logfile
level	show facility logging configuration
l2rib	show L2RIB logging configuration

Command Mode

- /exec

show logging level l3vm

show logging level l3vm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l3vm	Show L3VM logging configuration

Command Mode

- /exec

show logging level lacp

show logging level lacp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lacp	Show lacp logging configuration

Command Mode

- /exec

show logging level ldap

show logging level ldap

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ldap	Show ldap logging configuration

Command Mode

- /exec

show logging level lim

show logging level lim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lim	Show lim logging configuration

Command Mode

- /exec

show logging level lisp

show logging level lisp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lisp	Show lisp logging configuration

Command Mode

- /exec

show logging level lldp

show logging level lldp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lldp	Show LLDP logging configuration

Command Mode

- /exec

show logging level m2rib

show logging level m2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
m2rib	Show M2RIB logging configuration

Command Mode

- /exec

show logging level mfdm

show logging level mfdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfdm	Show mfdm logging configuration

Command Mode

- /exec

show logging level mfwd

show logging level { mfwd | mcastfwd }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfwd	Show MCASTFWD logging configuration
mcastfwd	Show MCASTFWD logging configuration

Command Mode

- /exec

show logging level mld

show logging level [ipv6] mld

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	(Optional) Display IPv6 information
mld	Show MLD logging configuration

Command Mode

- /exec

show logging level mmode

show logging level mmode

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mmode	Show maintenance mode logging configuration

Command Mode

- /exec

show logging level module

show logging level module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
module	Show module(linecard) manager logging configuration

Command Mode

- /exec

show logging level monitor

show logging level monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging level mpls manager

show logging level mpls manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
manager	Show MPLS manager logging configuration

Command Mode

- /exec

show logging level mpls switching

show logging level mpls switching

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
switching	Show mpls switching logging configuration

Command Mode

- /exec

show logging level msdp

show logging level [ip] msdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
msdp	Show msdp logging configuration

Command Mode

- /exec

show logging level mvsh

show logging level mvsh

Syntax Description

show	Show commands
logging	Show message logging facilities
level	Show message logging facilities
mvsh	Show level for mvsh syslog messages

Command Mode

- /exec

show logging level nat

show logging level nat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nat	Show NAT logging configurarion

Command Mode

- /exec

show logging level nbm

show logging level nbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nbm	Show Non Blocking Multicast logging configuration

Command Mode

- /exec

show logging level netstack

show logging level netstack

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
netstack	Show netstack logging configuration

Command Mode

- /exec

show logging level nfm

show logging level nfm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nfm	Show NFM logging configuration

Command Mode

- /exec

show logging level ngmvpn

show logging level ngmvpn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngmvpn	Show ngmvpn logging configuration

Command Mode

- /exec

show logging level ngoam

show logging level ngoam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngoam	Show ngoam logging level

Command Mode

- /exec

show logging level npv

show logging level npv

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
npv	Show npv logging configuration

Command Mode

- /exec

show logging level ntp

show logging level ntp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ntp	Show NTP logging settings.

Command Mode

- /exec

show logging level nve

show logging level nve

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nve	Show NVE logging configuration

Command Mode

- /exec

show logging level nxsdk

show logging level nxsdk

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nxsdk	NXOS SDK

Command Mode

- /exec

show logging level ofm

show logging level ofm

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ofm	Show ofm logging settings

Command Mode

- /exec

show logging level ospf

show logging level ospf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospf	Show OSPF logging configuration

Command Mode

- /exec

show logging level ospfv3

show logging level ospfv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospfv3	Display OSPFv3 status and configuration

Command Mode

- /exec

show logging level otv isis

show logging level otv isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
otv	Show OTV ISIS logging configuration
isis	Show OTV ISIS logging configuration

Command Mode

- /exec

show logging level pfstat

show logging level pfstat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pfstat	Show pfstat logging configuration

Command Mode

- /exec

show logging level pim

show logging level [ip] pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
pim	Show pim logging configuration

Command Mode

- /exec

show logging level pixm

show logging level pixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pixm	Show vdc-local-pixm logging configuration

Command Mode

- /exec

show logging level pktmgr

show logging level pktmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pktmgr	Show pktmgr logging configuration

Command Mode

- /exec

show logging level platform

show logging level platform

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
platform	Show platform logging configuration

Command Mode

- /exec

show logging level plcmgr

show logging level plcmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level pltfm_config

show logging level pltfm_config

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltfm_config	Show pltfm_config logging configuration

Command Mode

- /exec

show logging level pltm

show logging level pltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltm	Show pie logging configuration

Command Mode

- /exec

show logging level plugin

show logging level plugin

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
plugin	Show plugin logging configuration

Command Mode

- /exec

show logging level poed

show logging level poed

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poed	Show PoE Daemon Logging Configuration

Command Mode

- /exec

show logging level port-channel

show logging level port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-channel	Show port-channel logging configuration

Command Mode

- /exec

show logging level port-profile

show logging level port-profile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-profile	Show syslog level for port-profile

Command Mode

- /exec

show logging level port-resources

show logging level port-resources

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-resources	Show port-resources logging configuration

Command Mode

- /exec

show logging level port-security

show logging level port-security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-security	Show port-security logging configuration

Command Mode

- /exec

show logging level port

show logging level port

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port	Show port logging configuration

Command Mode

- /exec

show logging level private-vlan

show logging level private-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
private-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ptp

show logging level ptp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ptp	Show ptp logging configuration

Command Mode

- /exec

show logging level radius

show logging level radius

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
radius	Show radius logging configuration

Command Mode

- /exec

show logging level rdl

show logging level rdl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level res_mgr

show logging level res_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
res_mgr	Show res_mgr logging configuration

Command Mode

- /exec

show logging level rib

show logging level rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rib	Show rib logging configuration

Command Mode

- /exec

show logging level rip

show logging level rip

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rip	Show RIP logging configuration

Command Mode

- /exec

show logging level routing ipv6 multicast

show logging level routing ipv6 multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information

Command Mode

- /exec

show logging level routing multicast

show logging level routing [ip | ipv4] multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information

Command Mode

- /exec

show logging level rpm

show logging level rpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rpm	Show RPM logging configuration

Command Mode

- /exec

show logging level rscn

show logging level rscn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rscn	Show RSCN logging configuration

Command Mode

- /exec

show logging level sal

show logging level sal

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sal	Show SAL logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level scheduler

show logging level scheduler

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scheduler	Show scheduler logging configuration

Command Mode

- /exec

show logging level scsi-target

show logging level scsi-target

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scsi-target	Show scsi-target logging configuration

Command Mode

- /exec

show logging level security

show logging level security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
security	Show security logging configuration

Command Mode

- /exec

show logging level segment-routing

show logging level segment-routing

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
segment-routing	Show SR logging configuration

Command Mode

- /exec

show logging level session-mgr

show logging level session-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
session-mgr	Show session-mgr logging configurarion

Command Mode

- /exec

show logging level sflow

show logging level sflow

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sflow	Show sFlow logging configuration

Command Mode

- /exec

show logging level smm

show logging level smm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
smm	Show Shared Memory Manager logging configuration

Command Mode

- /exec

show logging level snmpd

show logging level snmpd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpd	Show SNMP logging configuration

Command Mode

- /exec

show logging level snmpmib_proc

show logging level snmpmib_proc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpmib_proc	Show snmpmib_proc logging configuration

Command Mode

- /exec

show logging level spanning-tree

show logging level spanning-tree

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spanning-tree	Show spanning-tree logging configuration

Command Mode

- /exec

show logging level spm

show logging level spm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spm	Show spm logging configuration

Command Mode

- /exec

show logging level stripcl

show logging level stripcl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
stripcl	Show stripcl logging configuration

Command Mode

- /exec

show logging level sync

show logging level sync

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sync	Show sync logging configuration

Command Mode

- /exec

show logging level sysmgr

show logging level sysmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sysmgr	Show sysmgr logging configuration

Command Mode

- /exec

show logging level tacacs

show logging level tacacs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tacacs	Show tacacs+ logging configuration

Command Mode

- /exec

show logging level telemetry

show logging level telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
telemetry	Show telemetry logging level

Command Mode

- /exec

show logging level template_manager

show logging level template_manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
template_manager	Show template manager logging configuration

Command Mode

- /exec

show logging level tpmon

show logging level tpmon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tpmon	Show tpmon logging configuration

Command Mode

- /exec

show logging level track

show logging level track

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
track	Show track logging configuration

Command Mode

- /exec

show logging level tunnel-encryption

show logging level tunnel-encryption

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel-encryption	Show tunnel encryption manager logging configuration

Command Mode

- /exec

show logging level tunnel

show logging level tunnel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel	Show tunnel logging settings

Command Mode

- /exec

show logging level u2rib

show logging level u2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u2rib	Show U2RIB logging configuration

Command Mode

- /exec

show logging level u6rib

show logging level u6rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u6rib	Show U6RIB logging configuration

Command Mode

- /exec

show logging level udd

show logging level udd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
udd	Show udd logging configuration

Command Mode

- /exec

show logging level ufdm

show logging level ufdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ufdm	Show ufdm logging configuration

Command Mode

- /exec

show logging level urib

show logging level urib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
urib	Show URIB logging configuration

Command Mode

- /exec

show logging level vdc_mgr

show logging level vdc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vdc_mgr	Show vdc manager logging configuration

Command Mode

- /exec

show logging level virtual-service

show logging level virtual-service

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
virtual-service	Show virtualization manager logging configuration

Command Mode

- /exec

show logging level vlan_mgr

show logging level vlan_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vlan_mgr	Show vlan manager logging configuration

Command Mode

- /exec

show logging level vmm

show logging level vmm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmm	Show vmm logging configuration

Command Mode

- /exec

show logging level vmtracker

show logging level vmtracker

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmtracker	Show vmtracker logging configuration

Command Mode

- /exec

show logging level vpc

show logging level vpc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vpc	Show vPC logging configuration

Command Mode

- /exec

show logging level vrrp-cfg

show logging level vrrp-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-cfg	Show vrrp-cfg logging configuration

Command Mode

- /exec

show logging level vrrp-eng

show logging level vrrp-eng

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-eng	Show vrrp-eng logging configuration

Command Mode

- /exec

show logging level vrrpv3

show logging level vrrpv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrpv3	level for vrrpv3 configuration

Command Mode

- /exec

show logging level vsan

show logging level vsan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vsan	Show vsan logging configuration

Command Mode

- /exec

show logging level vshd

show logging level vshd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level vtp

show logging level vtp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vtp	Show vtp logging configuration

Command Mode

- /exec

show logging level wwn

show logging level wwn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
wnn	Show wnn logging configuration

Command Mode

- /exec

show logging level xbar

show logging level xbar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level zone

show logging level zone

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging logfile

show logging logfile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile

Command Mode

- /exec

show logging logfile duration

show logging logfile duration <s1>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
duration	show messages from logfile of last given duration
<i>s1</i>	Enter hour, minutes, seconds of duration as HH:MM:SS

Command Mode

- /exec

show logging logfile last-index

show logging logfile last-index

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
last-index	Show the sequence-number of the last message in logfile

Command Mode

- /exec

show logging logfile start-seqn

show logging logfile start-seqn <i0> [end-seqn <i1>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-seqn	Show messages from logfile from a given start-sequence-number
<i>i0</i>	Enter starting sequence number
end-seqn	(Optional) Show messages from logfile from a given end-sequence-number
<i>i1</i>	(Optional) Enter ending sequence number

Command Mode

- /exec

show logging logfile start-time

show logging logfile start-time <i0> <s0> <i1> <s1> [end-time <i2> <s2> <i3> <s3>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-time	Show messages from logfile from a given start-time
<i>i0</i>	Enter year in YYYY format
<i>s0</i>	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i1</i>	Enter day of month in dd format
<i>s1</i>	Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from logfile up to a given end-time
<i>i2</i>	(Optional) Enter year in YYYY format
<i>s2</i>	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
<i>i3</i>	(Optional) Enter day of month in dd format
<i>s3</i>	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show logging loopback

show logging loopback

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
loopback	Show logging loopback configuration

Command Mode

- /exec

show logging module

show logging module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
module	Show module(linecard) logging configuration

Command Mode

- /exec

show logging monitor

show logging monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging nvram

```
show logging nvram [ [ { last <i0> } ]
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
nvram	Show NVRAM log
last	(Optional) Show last few lines of nvram log
<i>i0</i>	(Optional) Enter number of lines to display

Command Mode

- /exec

show logging onboard

```
show logging onboard [ card-first-power-on | card-boot-history | <common_options> | endtime <s0> [ {
<common_options> | error-stats [ port <i0> ] } ] | error-stats [ port1 <i1> ] | module <module> [
<common_options> | endtime1 <s1> [ { <common_options> | error-stats [ port3 <i3> ] } ] | error-stats [ port4
<i4> ] | starttime <s2> [ { <common_options> | endtime2 <s3> [ { <common_options> | error-stats [ port6
<i6> ] } ] | error-stats [ port7 <i7> ] } ] | card-first-power-on | card-boot-history ] | obfl-logs | starttime1 <s4>
[ { <common_options> | endtime3 <s5> [ { <common_options> | error-stats [ port8 <i8> ] } ] | error-stats [
port9 <i9> ] } ] | credit-loss [ module <module> [ last <last_no> { minutes | hours | days } ] | last <last_no>
{ minutes | hours | days } ] | flow-control { pause-count [ module <module> [ last <last_no> { minutes | hours
| days } ] | last <last_no> { minutes | hours | days } ] | pause-events [ module <module> [ last <last_no> {
minutes | hours | days } ] | last <last_no> { minutes | hours | days } ] | request-timeout [ module <module> ]
| timeout-drops [ module <module> [ port10 <i10> [ last <last_no> { minutes | hours | days } ] | last <last_no>
{ minutes | hours | days } ] | last <last_no> { minutes | hours | days } } ] }
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
card-first-power-on	(Optional) show card first power on information
card-boot-history	(Optional) show card boot history
endtime	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s0</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
error-stats	(Optional) Show OBFL error statistics
port	(Optional) Show OBFL error statistics for a port
<i>i0</i>	(Optional)
<i>common_options</i>	(Optional) give the options
port1	(Optional) Show OBFL error statistics for a port
<i>i1</i>	(Optional)
module	(Optional) Show OBFL information for Module
<i>module</i>	(Optional) Enter module number
endtime1	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s1</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port3	(Optional) Show OBFL error statistics for a port
<i>i3</i>	(Optional)

port4	(Optional) Show OBFL error statistics for a port
<i>i4</i>	(Optional)
starttime	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s2</i>	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s3</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port6	(Optional) Show OBFL error statistics for a port
<i>i6</i>	(Optional)
port7	(Optional) Show OBFL error statistics for a port
<i>i7</i>	(Optional)
starttime1	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s4</i>	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s5</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
port8	(Optional) Show OBFL error statistics for a port
<i>i8</i>	(Optional)
port9	(Optional) Show OBFL error statistics for a port
<i>i9</i>	(Optional)
obfl-logs	(Optional) Show OBFL Tech Support Log.
timeout-drops	(Optional) Show OBFL Timeout Drops logs
port10	(Optional) Show OBFL statistics per port basis
<i>i10</i>	(Optional)
credit-loss	(Optional) Show OBFL Credit Loss logs
last	(Optional) Show last min/hour/day logs
<i>last_no</i>	(Optional) Duration in min/hrs/day
minutes	(Optional) entry in minutes
hours	(Optional) entry in hours
days	(Optional) entry in days
request-timeout	(Optional) Show OBFL request timeout log

flow-control	(Optional) Show OBFL Flow Control log
pause-count	(Optional) Show Flow Control Pause Count Logs
pause-events	(Optional) Show Flow Control Pause Event Logs

Command Mode

- /exec

show logging onboard

```
show logging onboard { counter-stats | endtime <s0> [ { counter-stats | internal { <dc3_options> } } ] | internal
{ <dc3_options> } | module <module> { counter-stats | endtime1 <s1> [ { counter-stats | internal {
<dc3_options> } } ] | internal { <dc3_options> } | starttime <s2> [ { counter-stats | endtime2 <s3> [ {
counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } } ] | starttime1 <s4> [ { counter-stats
| endtime3 <s5> [ { counter-stats | internal { <dc3_options> } } ] | internal { <dc3_options> } } ] }
```

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
counter-stats	Show OBFL counter statistics
endtime	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s0</i>	End time format - mm/dd/yy-HH:MM:SS
internal	(Optional) Show Logging Onboard Internal
module	Show OBFL information for Module
<i>module</i>	Enter module number
endtime1	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s1</i>	End time format - mm/dd/yy-HH:MM:SS
starttime	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s2</i>	Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s3</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
starttime1	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
<i>s4</i>	Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
<i>s5</i>	(Optional) End time format - mm/dd/yy-HH:MM:SS
<i>dc3_options</i>	(Optional) dc3 options

Command Mode

- /exec

show logging onboard kernel-trace

show logging onboard kernel-trace

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
kernel-trace	Show OBFL Kernel Trace

Command Mode

- /exec

show logging origin-id

show logging origin-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
origin-id	Show logging origin id configuration

Command Mode

- /exec

show logging pending-diff

show logging pending-diff

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending-diff	server address pending configuration diff

Command Mode

- /exec

show logging pending

show logging pending

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending	server address pending configuration

Command Mode

- /exec

show logging rate-limit

show logging rate-limit

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rate-limit	Show rate limit configuration

Command Mode

- /exec

show logging rfc-strict

show logging rfc-strict

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rfc-strict	Show RFC to which messages are compliant

Command Mode

- /exec

show logging server

show logging server

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
server	Show server logging configuration

Command Mode

- /exec

show logging session status

show logging session status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
session	Show logging session status
status	Show logging session status

Command Mode

- /exec

show logging source-interface

show logging source-interface

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
source-interface	Show logging source-interface configuration

Command Mode

- /exec

show logging status

show logging status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
status	Show logging status

Command Mode

- /exec

show logging timestamp

show logging timestamp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
timestamp	Show logging timestamp configuration

Command Mode

- /exec

show login on-failure log

show login on-failure log

Syntax Description

show	show
login	login
on-failure	authentication failure
log	Log

Command Mode

- /exec

show login on-successful log

show login on-successful log

Syntax Description

show	show
login	login
on-successful	authentication successful
log	Log

Command Mode

- /exec

show login on-successful log



M Show Commands

- [show mac-list](#), on page 1481
- [show mac-move policy](#), on page 1482
- [show mac address-table](#), on page 1483
- [show mac address-table](#), on page 1485
- [show mac address-table aging-time](#), on page 1487
- [show mac address-table count](#), on page 1488
- [show mac address-table count es](#), on page 1490
- [show mac address-table limit](#), on page 1491
- [show mac address-table limit user-defined](#), on page 1492
- [show mac address-table loop-detect](#), on page 1493
- [show mac address-table multicast](#), on page 1494
- [show mac address-table notification mac-move](#), on page 1495
- [show macsec mka](#), on page 1496
- [show macsec mka session](#), on page 1497
- [show macsec mka statistics](#), on page 1498
- [show macsec policy](#), on page 1499
- [show macsec secy statistics](#), on page 1500
- [show maintenance maint-delay](#), on page 1501
- [show maintenance on-reload reset-reasons](#), on page 1502
- [show maintenance profile](#), on page 1503
- [show maintenance snapshot-delay](#), on page 1504
- [show maintenance timeout](#), on page 1505
- [show mcast](#), on page 1506
- [show mdns-sd controller detail](#), on page 1507
- [show mdns-sd controller export-summary](#), on page 1508
- [show mdns-sd controller service-list](#), on page 1509
- [show mdns-sd controller service-policy](#), on page 1510
- [show mdns-sd controller statistics](#), on page 1511
- [show mdns-sd controller summary](#), on page 1512
- [show mdns-sd filter-results](#), on page 1513
- [show mdns-sd service-definition](#), on page 1514
- [show mdns-sd service-list](#), on page 1515
- [show mdns-sd service-policy](#), on page 1516

- [show mdns-sd statistics global](#), on page 1517
- [show mdns-sd statistics raw-stats](#), on page 1518
- [show mdns-sd summary](#), on page 1519
- [show mdns-sd summary vlan](#), on page 1520
- [show module](#), on page 1521
- [show module bandwidth-fairness](#), on page 1522
- [show module port type](#), on page 1523
- [show module uptime](#), on page 1524
- [show monitor](#), on page 1525
- [show monitor session](#), on page 1526
- [show mpls extended-ecmp](#), on page 1527
- [show mpls forwarding statistics](#), on page 1528
- [show mpls interfaces](#), on page 1529
- [show mpls interfaces detail](#), on page 1530
- [show mpls interfaces statistics](#), on page 1531
- [show mpls ip bindings](#), on page 1532
- [show mpls ip bindings summary](#), on page 1534
- [show mpls ip ttl](#), on page 1535
- [show mpls label range](#), on page 1536
- [show mpls load-sharing](#), on page 1537
- [show mpls oam echo statistics](#), on page 1538
- [show mpls static binding](#), on page 1539
- [show mpls strip labels](#), on page 1540
- [show mpls switching](#), on page 1541
- [show mpls switching clients](#), on page 1543
- [show mts-buildup check](#), on page 1544
- [show mvpn bgp mdt](#), on page 1545
- [show mvpn bgp mdt](#), on page 1546
- [show mvpn mdt encap](#), on page 1547
- [show mvpn mdt encap](#), on page 1548
- [show mvpn mdt route](#), on page 1549
- [show mvpn mdt route](#), on page 1550
- [show mvr](#), on page 1551
- [show mvr groups](#), on page 1552
- [show mvr interface](#), on page 1553
- [show mvr members](#), on page 1554
- [show mvr members count](#), on page 1555
- [show mvr members vlan](#), on page 1556
- [show mvr receiver-ports](#), on page 1557
- [show mvr source-ports](#), on page 1558

show mac-list

```
show mac-list { [ { <maclist-name> | <maclist-cfg-name> } [ { seq <seq_no> | { <mac_addr> [ <mac_mask> ] } } ] ] }
```

Syntax Description

show	Show running system information
mac-list	Show mac-lists
<i>maclist-name</i>	(Optional) Name of mac-list
<i>maclist-cfg-name</i>	(Optional) Known mac-list name
seq	(Optional) Sequence number
<i>seq_no</i>	(Optional) Sequence number
<i>mac_addr</i>	(Optional) MAC address
<i>mac_mask</i>	(Optional) MAC mask

Command Mode

- /exec

show mac-move policy

show mac-move policy

Syntax Description

show	Show
mac-move	Display mac-move policy
policy	Display mac-move policy

Command Mode

- /exec

show mac address-table

```
show mac address-table <module> [ count ] [ static | dynamic | secure ] [ { [ address1 <mac-addr> | { switch-id
<swid> [ sub-switch-id <sswid> ] } ] | vlan1 <id> | [ vdc1 <vdc> | <e-vdc> ] | fe1 <feid> ] + } | { [ address
<mac-addr> | interface <interface-name> | vlan <id> | [ vdc <vdc> | <e-vdc> ] | fe <feid> ] + } ] [ hex ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
<i>module</i>	Module Number
count	(Optional) Number of entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
address	(Optional) address
address1	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN
vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vdc	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vdc1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>e-vdc</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

fe	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fe1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>feid</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
hex	(Optional) display swid/sswid/lid in hex

Command Mode

- /exec

show mac address-table

```
show mac address-table [ static | dynamic | secure ] [ local ] [ { [ address1 <mac-addr> | { switch-id <swid>
[ sub-switch-id <sswid> ] } | vlan1 <id> ] + } | { [ address <mac-addr> | interface <interface-name> | vlan
<id> ] + } | { [ address2 <mac-addr> | interface1 <interface-name> | vni <vni-id> | [ peer-ip <peer-ipv4> |
peer-ipv6 <peer-ipv6> ] ] + } | { [ address3 <mac-addr> | interface2 <interface-name> | vni1 <vni-id> | es {
<esid-opt1> | <esid-opt2> | all } ] + } ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
address1	(Optional) address
address2	(Optional) address
address3	(Optional) address
<i>mac-addr</i>	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
interface2	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
vlan	(Optional) VLAN

vlan1	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
vni1	(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
peer-ipv6	(Optional) VXLAN Peer IPv6 Address
es	(Optional) EVPN Remote ESID
<i>esid-opt1</i>	(Optional) EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID Option 1
<i>esid-opt2</i>	(Optional) EEEE.EEEE.EEEE.EEEE.EEEE ESID Option 2
all	(Optional) all ESIs

Command Mode

- /exec

show mac address-table aging-time

show mac address-table aging-time

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Configured/default age

Command Mode

- /exec

show mac address-table count

```
show mac address-table count [ static | dynamic | secure ] [ local ] [ { [ interface <interface-name> | { switch-id
<swid> [ sub-switch-id <sswid> ] } | vlan <id> ] + } | { [ interface1 <interface-name> | vni <vni-id> | [ peer-ip
<peer-ipv4> | peer-ipv6 <peer-ipv6> ] ] + } ]
```

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
vlan	(Optional) VLAN
<i>id</i>	(Optional) VLAN ID
interface	(Optional) Interface
interface1	(Optional) Interface
<i>interface-name</i>	(Optional) Interface name
switch-id	(Optional) Remote Switch ID
<i>swid</i>	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
<i>sswid</i>	(Optional) Sub Switch 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
peer-ipv6	(Optional) VXLAN Peer IPv6 Address

Command Mode

- /exec

show mac address-table count es

show mac address-table count es { <es-id> | <es-id2> | all }

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
es	EVPN Remote ESID
<i>es-id</i>	EE:EE:EE:EE:EE:EE:EE:EE:EE ESID
<i>es-id2</i>	EEEE.EEEE.EEEE.EEEE.EEEE ESID
all	all ESIs

Command Mode

- /exec

show mac address-table limit

show mac address-table limit { all | system | vlan | interface }

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	MAC Limit

Command Mode

- /exec

show mac address-table limit user-defined

show mac address-table limit user-defined

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	MAC Limit
user-defined	limit the number of unique mac addresses used on any type of L3 interface

Command Mode

- /exec

show mac address-table loop-detect

show mac address-table loop-detect

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC
loop-detect	Display Action for Mac Loop Detection

Command Mode

- /exec

show mac address-table multicast

show mac address-table multicast [vlan <vlan> | bridge-domain <bdid>]

Syntax Description

show	Show running system information
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
vlan	(Optional) VLAN
<i>vlan</i>	(Optional) VLAN
bridge-domain	(Optional) BD
<i>bdid</i>	(Optional) BD

Command Mode

- /exec

show mac address-table notification mac-move

show mac address-table notification mac-move

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
notification	Display Notification Information
mac-move	Mac Move Notification

Command Mode

- /exec

show macsec mka

show macsec mka [summary]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
summary	(Optional) Show MKA summary information

Command Mode

- /exec

show macsec mka session

show macsec mka session [interface <ifname>] [details]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
session	Show MKA session information
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list
details	(Optional) Show MKA detailed information

Command Mode

- /exec

show macsec mka statistics

show macsec mka statistics [interface <ifname>]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
statistics	Show MKA statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

Command Mode

- /exec

show macsec policy

show macsec policy [<policy_name>]

Syntax Description

show	Show running system information
macsec	Show MACSEC policy information
policy	Show MACSEC policy information
<i>policy_name</i>	(Optional) Name of MACSEC Policy

Command Mode

- /exec

show macsec secy statistics

show macsec secy statistics [interface <ifname>]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
secy	Show MACSEC secy entity information
statistics	Show MACSEC secy statistics
interface	(Optional) Specify interface
<i>ifname</i>	(Optional) Interface list

Command Mode

- /exec

show maintenance maint-delay

show maintenance maint-delay

Syntax Description

show	Show running system information
maintenance	maintenance
maint-delay	maintenance mode CLI release delay value

Command Mode

- /exec

show maintenance on-reload reset-reasons

show maintenance on-reload reset-reasons

Syntax Description

show	Show running system information
maintenance	maintenance
on-reload	on reload maintenance mode configuration
reset-reasons	system reset reasons

Command Mode

- /exec

show maintenance profile

show maintenance profile [<mode>]

Syntax Description

show	Show running system information
maintenance	maintenance
profile	maintenance profile
<i>mode</i>	(Optional)

Command Mode

- /exec

show maintenance snapshot-delay

show maintenance snapshot-delay

Syntax Description

show	Show running system information
maintenance	maintenance
snapshot-delay	after_maintenance snapshot delay value

Command Mode

- /exec

show maintenance timeout

show maintenance timeout

Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value

Command Mode

- /exec

show mcast

show mcast [vsan <i0>]

Syntax Description

show	Show running system information
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show mdns-sd controller detail

show mdns-sd controller detail

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
detail	mDNS Controller Detail

Command Mode

- /exec

show mdns-sd controller export-summary

show mdns-sd controller export-summary

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
export-summary	mDNS Controller Summary

Command Mode

- /exec

show mdns-sd controller service-list

```
show mdns-sd controller service-list [ { name <sl-name> } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-list	mDNS Service List
name	(Optional) mDNS Service List Name
<i>sl-name</i>	(Optional) mDNS Service List Name

Command Mode

- /exec

show mdns-sd controller service-policy

show mdns-sd controller service-policy [{ name <ser-pol-name> }]

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
service-policy	mDNS Service Policy
name	(Optional) Specify name of mDNS Service Policy
<i>ser-pol-name</i>	(Optional) mDNS Service Policy Name

Command Mode

- /exec

show mdns-sd controller statistics

show mdns-sd controller statistics

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
statistics	mDNS Controller Statistics

Command Mode

- /exec

show mdns-sd controller summary

show mdns-sd controller summary

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
controller	mDNS Controller
summary	mDNS Controller Summary

Command Mode

- /exec

show mdns-sd filter-results

show mdns-sd filter-results <rr_name> <pol_name> <vlan-id> <filter-dir> <msg-data-type>

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
filter-results	check filter results by inputting the arguments
<i>rr_name</i>	input RR name
<i>pol_name</i>	input pol name
<i>vlan-id</i>	input vlan-id
<i>filter-dir</i>	input filter direction in(1)/out(2)
<i>msg-data-type</i>	input msg-data-type query(1)/advertisement(2)

Command Mode

- /exec

show mdns-sd service-definition

```
show mdns-sd service-definition [ { name <ser-def-name> } | { type { built-in | custom } } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-definition	mDNS Service Definition
name	(Optional) mDNS Service Definition Name
<i>ser-def-name</i>	(Optional) mDNS Service Definition Name
type	(Optional) mDNS Service Definition Type
built-in	(Optional) Built-in Service Definition
custom	(Optional) Custom Service Definition

Command Mode

- /exec

show mdns-sd service-list

```
show mdns-sd service-list [ { direction { in | out } } | { name <sl-name> } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-list	mDNS Service List
direction	(Optional) mDNS Service List Direction
in	(Optional) Service List of type IN
out	(Optional) Service List of type OUT
name	(Optional) mDNS Service List Name
<i>sl-name</i>	(Optional) mDNS Service List Name

Command Mode

- /exec

show mdns-sd service-policy

```
show mdns-sd service-policy [ { name <ser-pol-name> } ]
```

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
service-policy	mDNS Service Policy
name	(Optional) Specify name of mDNS Service Policy
<i>ser-pol-name</i>	(Optional) mDNS Service Policy Name

Command Mode

- /exec

show mdns-sd statistics global

show mdns-sd statistics global

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
global	mDNS global Statistics

Command Mode

- /exec

show mdns-sd statistics raw-stats

show mdns-sd statistics raw-stats { all | all-non-zero | <index> }

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
statistics	mDNS Statistics
raw-stats	mDNS rawStats Statistics
all	ALL Raw stats
all-non-zero	ALL non-zero Raw stats
<i>index</i>	Specify the index of Raw Stats

Command Mode

- /exec

show mdns-sd summary

show mdns-sd summary

Syntax Description

show	Show running system information
mdns-sd	mDNS Gateway
summary	mDNS Summary

Command Mode

- /exec

show mdns-sd summary vlan

show mdns-sd summary vlan <vlan-id>

Syntax Description

show	Show running system information
mdns-sd	MDNS Gateway
summary	mDNS Summary
vlan	mDNS Vlan Summary
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show module

```
show module [ { <module> } | { <s0> [ <santa-cruz-range> ] } | { fabric [ <module> ] } ]
```

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	(Optional) Enter module number
<i>s0</i>	(Optional) Show xbar information
<i>santa-cruz-range</i>	(Optional) please enter the xbar number
fabric	(Optional) Show fabric information

Command Mode

- /exec

show module bandwidth-fairness

show module <module> bandwidth-fairness

Syntax Description

show	Show running system information
module	Show module information
<i>module</i>	Enter module number
bandwidth-fairness	Show bandwidth fairness status

Command Mode

- /exec

show module port type

show module <module1> port type

Syntax Description

show	Show running system information
module	Show module information
<i>module1</i>	Enter module number
port	Show port type
type	Show port type

Command Mode

- /exec

show module uptime

show module uptime

Syntax Description

show	Show running system information
module	Show module information
uptime	Show how long the module has been up and running

Command Mode

- /exec

show monitor

show monitor

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information

Command Mode

- /exec

show monitor session

show monitor session { all | <session_number> | warp | range <session_range> } [{ drops | brief | stats }]

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
session	Show session info
all	All sessions
<i>session_number</i>	
warp	warp session
range	Specify a range
<i>session_range</i>	
brief	(Optional) Brief information
drops	(Optional) show drop count
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show mpls extended-ecmp

show mpls extended-ecmp

Syntax Description

show	Show running system information
mpls	MPLS routing ECMP mode
extended-ecmp	extended-ecmp mode

Command Mode

- /exec

show mpls forwarding statistics

show mpls forwarding statistics [interface { <interface> | all }]

Syntax Description

show	Show running system information
mpls	MPLS information
forwarding	Display MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
<i>interface</i>	(Optional) Interface chosen to display statistics
all	(Optional) All interfaces

Command Mode

- /exec

show mpls interfaces

show mpls interfaces

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Display MPLS Interfaces

Command Mode

- /exec

show mpls interfaces detail

show mpls interfaces detail

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
detail	Detail

Command Mode

- /exec

show mpls interfaces statistics

show mpls interfaces <ifname> statistics

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
<i>ifname</i>	Interface Name
statistics	statistics

Command Mode

- /exec

show mpls ip bindings

```
show mpls ip bindings [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ generic ] [ { <prefix> { <mask> |
<mask-length> } | <prefix-mask> } [ longer-prefix ] ] [ neighbor <addr> | local ] [ [ local-label <local-label>
[ local-to <local-label-max> ] ] | [ remote-label <remote-label> [ remote-to <remote-label-max> ] ] ] [
advertisement-prefix-list | detail ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
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
all	(Optional) Display LIB information in all VRFs
generic	(Optional) Display generic labels
<i>prefix</i>	(Optional) Destination prefix
<i>mask</i>	(Optional) Destination prefix mask
<i>mask-length</i>	(Optional) Mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
longer-prefix	(Optional) Include longer matches
neighbor	(Optional) Display labels from LDP neighbor
<i>addr</i>	(Optional) IP adjacency address
local	(Optional) Display only locally assigned labels
local-label	(Optional) Match locally assigned label values
<i>local-label</i>	(Optional) Locally assigned label value
local-to	(Optional) Label range
<i>local-label-max</i>	(Optional) Locally assigned label value
remote-label	(Optional) Match remotely assigned label values
<i>remote-label</i>	(Optional) Remotely assigned label value

remote-to	(Optional) Label range
<i>remote-label-max</i>	(Optional) Remotely assigned label value
advertisement-prefix-list	(Optional) Show advertisement prefix lists
detail	(Optional) Show detailed information

Command Mode

- /exec

show mpls ip bindings summary

show mpls ip bindings summary

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
summary	Show summary information

Command Mode

- /exec

show mpls ip ttl

show mpls ip ttl

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	Display IP information
ttl	TTL related information

Command Mode

- /exec

show mpls label range

show mpls label range

Syntax Description

show	Show running system information
mpls	MPLS configuration commands
label	Label properties
range	Label range

Command Mode

- /exec

show mpls load-sharing

show mpls load-sharing

Syntax Description

show	Show running system information
mpls	MPLS information
load-sharing	Show mpls load sharing options

Command Mode

- /exec

show mpls oam echo statistics

show mpls oam echo statistics [summary]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
oam	Display OAM information
echo	Echo request information
statistics	Detailed Echo packet statistics
summary	(Optional) Echo packet statistics summary

Command Mode

- /exec

show mpls static binding

```
show mpls static binding [ vrf { <vrf-name> | <vrf-known-name> } ] { { ipv4 [ <prefix> { <mask> |
<mask-length> } | <prefix-mask> ] [ local | remote ] [ nexthop <addr> ] [ inconsistency ] [ lsp <slb_name> ]
} | { ipv6 [ <ipv6-prefix> ] [ local | remote ] [ ipv6-nexthop <ipv6-addr> ] [ inconsistency ] } | all [ inconsistency
] }
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	Show ipv4 static label bindings
ipv6	Show ipv6 static label bindings
all	Show all static label bindings
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	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
remote	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
inconsistency	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>prefix</i>	(Optional) Destination ipv4 prefix
<i>mask</i>	(Optional) Destination ipv4 prefix mask
<i>mask-length</i>	(Optional) Ipv4 mask length
<i>prefix-mask</i>	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
<i>addr</i>	(Optional) Ipv4 Next hop address
ipv6-nexthop	(Optional) Ipv6 next hop address
lsp	(Optional) LSP Name

Command Mode

- /exec

show mpls strip labels

show mpls strip labels [all | static | dynamic | <label_val>]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
labels	labels added in the system
all	(Optional) all labels [default]
static	(Optional) labels programmed using cli
dynamic	(Optional) dynamically learned
<i>label_val</i>	(Optional) Label to show

Command Mode

- /exec

show mpls switching

```
show mpls switching [ labels <label> [ <max-label> ] | interface <intf> | { <ip-addr> | <ipv4-prefix> } [ vrf
{ <vrf-name> | <vrf-known-name> | all } ] | <ipv6-prefix> [ vrf { <vrf-name> | <vrf-known-name> | all } ] |
traffic-eng srpath [ <srte-path-id> ] | aggregate [ ipv4 | ipv6 ] [ vrf { <vrf-name> | <vrf-known-name> | all }
] | { fec { ipv4_prefix [ vrf { <vrf-name> | <vrf-known-name> | all } ] | ipv6_prefix [ vrf { <vrf-name> |
<vrf-known-name> | all } ] | deagg [ vrf { <vrf-name> | <vrf-known-name> | all | ias_vpnv4 | ias_vpnv6 } ]
| per-bd <per-bd-vlan-id> } } | { summary } ] [ detail ] [ private ] [ vrf { <vrf-name> | <vrf-known-name> |
all } ]
```

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
traffic-eng	(Optional) Show traffic-engineering related entries
srpath	(Optional) Show traffic-engineering segment-routing path entries
<i>ip-addr</i>	(Optional) Match destination address
<i>ipv4-prefix</i>	(Optional) Specify an IP prefix/mask
fec	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
labels	(Optional) Show a specific label-related information
<i>label</i>	(Optional) Low label value
<i>max-label</i>	(Optional) High label value
interface	(Optional) Match outgoing interface
aggregate	(Optional) Show aggregate-related information
<i>intf</i>	(Optional) Specify outgoing interface
summary	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Detailed information
ipv4_prefix	(Optional) IPv4 prefix
ipv6_prefix	(Optional) IPv6 prefix
ipv4	(Optional) Display IPv4 information
ipv6	(Optional) Display IPv6 information
deagg	(Optional) De-aggregation

per-bd	(Optional) BD FEC
ias_vpnv4	(Optional) Display Inter-AS V4 information
ias_vpnv6	(Optional) Display Inter-AS V6 information
<i>sрте-path-id</i>	(Optional) Traffic-engineering segment-routing path id
<i>per-bd-vlan-id</i>	(Optional) Per BD id
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

show mpls switching clients

show mpls switching clients

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
clients	Display ULIB client components

Command Mode

- /exec

show mts-buildup check

show mts-buildup check

Syntax Description

show	Show
mts-buildup	Display mts-buildup
check	Display mts-buildup check

Command Mode

- /exec

show mvpn bgp mdt

```
show mvpn bgp { mdt-safi | auto-discovery } [ mdt-source <src-addr> ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor
<i>src-addr</i>	(Optional) Source Address

Command Mode

- /exec

show mvpn bgp mdt

```
show mvpn bgp { mdt-safi | auto-discovery } [ mdt-source <src-addr> ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor

Command Mode

- /exec

show mvpn mdt encap

```
show mvpn mdt encap [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
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

show mvpn mdt encap

show mvpn mdt encap [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
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

show mvpn mdt route

show mvpn mdt route [detail]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information

Command Mode

- /exec

show mvpn mdt route

show mvpn mdt route [detail]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information

Command Mode

- /exec

show mvr

show mvr [verbose]

Syntax Description

show	Show running system information
mvr	show mvr info
verbose	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show mvr groups

show mvr groups

Syntax Description

show	Show running system information
mvr	show mvr info
groups	show mvr groups config

Command Mode

- /exec

show mvr interface

show mvr interface [<if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
interface	show mvr interfaces
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

show mvr members

show mvr members [interface <if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
interface	(Optional) show active mvr groups config on interface
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

show mvr members count

show mvr members count

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
count	Active mvr groups on each mvr-vlan

Command Mode

- /exec

show mvr members vlan

```
show mvr members { vlan <vlan-id> }
```

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
vlan	vlan
<i>vlan-id</i>	Enter MVR Vlan

Command Mode

- /exec

show mvr receiver-ports

show mvr receiver-ports [<if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
receiver-ports	List MVR receiver ports
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec

show mvr source-ports

show mvr source-ports [<if0>]

Syntax Description

show	Show running system information
mvr	show mvr info
source-ports	List MVR source ports
<i>if0</i>	(Optional) Interface name

Command Mode

- /exec



N Show Commands

- [show nat itd](#), on page 1561
- [show nbm defaults](#), on page 1562
- [show nbm flow-policy](#), on page 1563
- [show nbm flows](#), on page 1564
- [show nbm flows pending-stitch](#), on page 1566
- [show nbm flows static](#), on page 1567
- [show nbm flows statistics](#), on page 1568
- [show nbm flows summary](#), on page 1570
- [show nbm host-policy all](#), on page 1571
- [show nbm host-policy applied receiver](#), on page 1572
- [show nbm host-policy applied sender](#), on page 1573
- [show nbm info shm table flow-detail vrf](#), on page 1574
- [show nbm interface](#), on page 1575
- [show nbm interface bandwidth](#), on page 1576
- [show ngoam interface statistics](#), on page 1577
- [show ngoam loop-detection status](#), on page 1578
- [show ngoam loop-detection summary](#), on page 1579
- [show ngoam loopback](#), on page 1580
- [show ngoam pathtrace](#), on page 1582
- [show ngoam probe](#), on page 1583
- [show ngoam traceroute statistics](#), on page 1585
- [show ngoam xconnect session](#), on page 1587
- [show npiv status](#), on page 1588
- [show npv external-interface-usage](#), on page 1589
- [show npv flogi-table](#), on page 1590
- [show npv status](#), on page 1591
- [show npv traffic-map](#), on page 1592
- [show ntp access-groups](#), on page 1593
- [show ntp authentication-keys](#), on page 1594
- [show ntp authentication-status](#), on page 1595
- [show ntp information](#), on page 1596
- [show ntp logging-status](#), on page 1597
- [show ntp peer-status](#), on page 1598

- [show ntp peers](#), on page 1599
- [show ntp rts-update](#), on page 1600
- [show ntp session status](#), on page 1601
- [show ntp source-interface](#), on page 1602
- [show ntp source](#), on page 1603
- [show ntp statistics](#), on page 1604
- [show ntp status](#), on page 1605
- [show ntp trusted-keys](#), on page 1606
- [show nve adjacency mpls](#), on page 1607
- [show nve bfd neighbors](#), on page 1608
- [show nve core-links](#), on page 1609
- [show nve ethernet-segment](#), on page 1610
- [show nve evi](#), on page 1611
- [show nve interface](#), on page 1612
- [show nve mpls](#), on page 1613
- [show nve multisite dci-links](#), on page 1614
- [show nve multisite fabric-links](#), on page 1615
- [show nve peers](#), on page 1616
- [show nve peers interface counters](#), on page 1617
- [show nve peers mpls](#), on page 1618
- [show nve peers vni interface counters](#), on page 1619
- [show nve replication-servers](#), on page 1620
- [show nve resource-limits multicast](#), on page 1621
- [show nve vni](#), on page 1622
- [show nve vni counters](#), on page 1623
- [show nve vni ingress-replication](#), on page 1624
- [show nve vni mdt](#), on page 1625
- [show nve vni peer-vtep](#), on page 1626
- [show nve vrf](#), on page 1627
- [show nve vrf mdt](#), on page 1628
- [show nve vxlan-params](#), on page 1629
- [show nxapi-server logs](#), on page 1630
- [show nxapi](#), on page 1631

show nat itd

show nat itd

Syntax Description

show	Show running system information
nat	IP NAT information
itd	IP NAT ITD

Command Mode

- /exec

show nbm defaults

show nbm defaults [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
defaults	Default config
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

show nbm flow-policy

show nbm flow-policy [name { <policy-name> }] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flow-policy	Flow policy show command
name	(Optional) Policy name
<i>policy-name</i>	(Optional) Policy name 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

show nbm flows

```
show nbm flows [ group-based [ group <group-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name>
} } | source <source-ip> [ group <group-ip> ] | group <group-ip> [ source <source-ip> ] | interface <if-name>
| priority { low | level <level> | critical } [ [ oif interface <if-name> ] | [ rpf interface <if-name> ] ] | [ policer
{ slot <slot> unit <unit> slice <slice> } ] | [ policer-intf interface <if-name> ] ] | logical-id { none | any |
<lid-val> } | profile-id <prof-id> ] [ all | active | inactive | no-receiver ] [ detail ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
active	(Optional) Active flows (default)
inactive	(Optional) Inactive flows
no-receiver	(Optional) Flows without any receiver
all	(Optional) Both active and inactive flows
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
source	(Optional) Source IP address
<i>source-ip</i>	(Optional) Source IP address
group	(Optional) Multicast group
<i>group-ip</i>	(Optional) Multicast group address
interface	(Optional) Ingress interface
priority	(Optional) Flow Priority
low	(Optional) low
level	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>level</i>	(Optional) Priority level
critical	(Optional) critical
logical-id	(Optional) Logical ID (LID)

oif	(Optional) OIF
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
rpf	(Optional) RPF
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
policer	(Optional) Policer
slot	(Optional) Slot number (1-based)
<i>slot</i>	(Optional) Slot number (1-based)
unit	(Optional) Unit number (0-based)
<i>unit</i>	(Optional) Unit number (0-based)
slice	(Optional) Slice number (0-based)
<i>slice</i>	(Optional) Slice number (0-based)
policer-intf	(Optional) Policer Intf
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	(Optional) Profile ID
<i>prof-id</i>	(Optional) Profile ID value
detail	(Optional) Detailed output
<i>if-name</i>	(Optional) Interface name

Command Mode

- /exec

show nbm flows pending-stitch

```
show nbm flows pending-stitch [ priority { low | level <level> | critical | all } ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
pending-stitch	All pending stitch flows

Command Mode

- /exec

show nbm flows static

```
show nbm flows static [ group <grp> ] [ source <src> ] [ stitched | unstitched ] [ priority { low | level <level>
| critical | all } ] [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
static	Static NBM Flows
group	(Optional) Multicast group
<i>grp</i>	(Optional) Multicast group address
source	(Optional) Source ip of sender
<i>src</i>	(Optional) Source address
stitched	(Optional) Show only successfully provisioned oif
unstitched	(Optional) Show only failed to provision oif
priority	(Optional) Flow Priority
low	(Optional) Priority level 0 (default)
level	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>level</i>	(Optional) Configurable levels
critical	(Optional) Maximum priority level (critical)
all	(Optional) Display all levels of priority
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

show nbm flows statistics

```
show nbm flows statistics [ group-based [ group <group-ip> ] | source <source-ip> [ group <group-ip> ] |
group <group-ip> [ source <source-ip> ] | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } |
interface <if-name> | logical-id { none | any | <lid-val> } | profile-id <prof-id> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
statistics	Flow statistics
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
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
flow-policy	(Optional) Flow policy
<i>cfg-pol-name</i>	(Optional) Policy name
<i>unknown-pol-name</i>	(Optional) Policy name
interface	(Optional) Ingress interface
<i>if-name</i>	(Optional) Interface interface name
logical-id	(Optional) Logical ID (LID)
<i>lid-val</i>	(Optional) Logical ID (LID) value
any	(Optional) Any Logical ID (LID)
none	(Optional) Without any Logical ID (LID)
profile-id	(Optional) Profile ID
<i>prof-id</i>	(Optional) Profile ID 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

show nbm flows summary

show nbm flows summary [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM Flows
summary	NBM Flow Summary
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

show nbm host-policy all

```
show nbm host-policy all { sender | { receiver { local | external } } } [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
all	All policies on switch
sender	Sender Policy
receiver	Receiver Policy
local	Local receiver policy
external	External receiver policy
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

show nbm host-policy applied receiver

```
show nbm host-policy applied receiver { { local { all | wildcard | interface <if-name> } | external } [ vrf {
<vrf-name> | <nbm-vrf-known-name> | all } ] }
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
receiver	Receiver Policy
local	Local receiver policy
all	All policies on switch
wildcard	All wildcard policies
external	External receiver policy
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name
all	(Optional) Display all VRFs
interface	Interface
<i>if-name</i>	Interface name

Command Mode

- /exec

show nbm host-policy applied sender

```
show nbm host-policy applied sender { { all | wildcard } [ vrf { <vrf-name> | <nbm-vrf-known-name> | all } ] } | { interface <if-name> } }
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
sender	Sender Policy
all	All policies on switch
wildcard	Wildcard host policy
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
interface	Interface
<i>if-name</i>	Interface name

Command Mode

- /exec

show nbm info shm table flow-detail vrf

show nbm info shm table flow-detail vrf { <vrf-name> | <nbm-vrf-known-name> | all } [oif <oif-name>]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
info	info
shm	Shared memory related commands
table	SHM table type
flow-detail	Flow mapping table in detail
oif	(Optional) Outgoing interface
<i>oif-name</i>	(Optional) flow-detail Physical or Logical interface
vrf	Display per-VRF information
all	Display all VRFs
<i>vrf-name</i>	VRF name
<i>nbm-vrf-known-name</i>	NBM VRF Name

Command Mode

- /exec

show nbm interface

```
show nbm interface { all | <if-name> } [ flow-bandwidth [ ingress | egress ] ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
all	Display all interface
<i>if-name</i>	Physical or Logical interface
flow-bandwidth	(Optional) Utilized Bandwidth interface table
ingress	(Optional) Flow bandwidth for Ingress
egress	(Optional) Flow bandwidth for Egress

Command Mode

- /exec

show nbm interface bandwidth

```
show nbm interface { bandwidth | bandwidth-utilized } [ interface <if-name> ] [ vrf { <vrf-name> |
<nbm-vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
bandwidth	Bandwidth interface table
bandwidth-utilized	Utilized Bandwidth interface table
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
interface	(Optional) Interface
<i>if-name</i>	(Optional) Physical or Logical interface
<i>vrf-name</i>	(Optional) VRF name
<i>nbm-vrf-known-name</i>	(Optional) NBM VRF Name

Command Mode

- /exec

show ngoam interface statistics

show ngoam interface statistics

Syntax Description

TABLE_stats	(Optional) interface statistics table
<i>interface-name</i>	(Optional) interface namestring
<i>tx</i>	(Optional) ngoam probe transmit on the interface
<i>rx</i>	(Optional) ngoam probe receive on the interface
show	Show running system information
ngoam	ngoam
interface	probe packet interface
statistics	ngoam probe interface statistics

Command Mode

- /exec

show ngoam loop-detection status

show ngoam loop-detection status [{ l3 | vlan <vlan-range> } [port <port-range>]] [history]

Syntax Description

show	Show running system information
ngoam	Configure ngoam
loop-detection	Configure sld
status	show blocked/recovering state loops
l3	(Optional) show l3 blocked/recovering loops
vlan	(Optional) ngoam loop-detection vlan
port	(Optional) ngoam loop-detection port
history	(Optional) show history of loops detected
<i>vlan-range</i>	(Optional) vlan range max span 1024, Example: 2000-3000,400,500
<i>port-range</i>	(Optional) Interface for loop detection

Command Mode

- /exec

show ngoam loop-detection summary

show ngoam loop-detection summary

Syntax Description

show	Show running system information
ngoam	Configure ngoam
loop-detection	Show loop detection
summary	ngoam loop detection summary

Command Mode

- /exec

show ngoam loopback

```
show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle> | all } } } }
```

Syntax Description

show	Show running system information
ngoam	ngoam
loopback	ngoam loopback
statistics	ngoam loopback statistics
summary	ngoam loopback statistics summary
status	ngoam loopback status
session	ngoam loopback session
session	ngoam loopback session
<i>handle</i>	ngoam loopback session handle
<i>handle</i>	ngoam loopback session handle
all	Display results for all ping/loopback sessions
all	Display results for all ping/loopback sessions
TABLE_statistics	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>connect-check-id</i>	(Optional) connect check id
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_statistics_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout

<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received
<i>req-sw-fwd</i>	(Optional) Request pkts sw fwded
<i>resp-sw-fwd</i>	(Optional) Response pkts sw fwded
<i>req-drop</i>	(Optional) Requests dropped
<i>resp-drop</i>	(Optional) Responses dropped
TABLE_status	(Optional) database status table
<i>st-sender-handle</i>	(Optional) sender handle
<i>type</i>	(Optional) ngoam ping type
<i>state</i>	(Optional) ngoam ping state

Command Mode

- /exec

show ngoam pathtrace

```
show ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database session {
<handle> | all } [ detail ] } }
```

Syntax Description

show	Show running system information
ngoam	ngoam
pathtrace	ngoam pathtrace
statistics	ngoam pathtrace statistics
summary	ngoam pathtrace statistics summary
session	ngoam pathtrace session
<i>handle</i>	ngoam pathtrace session handle
all	Display results for all pathtrace sessions
database	ngoam pathtrace results from the database
session	ngoam pathtrace session
all	Display results for all pathtrace sessions
<i>handle</i>	ngoam pathtrace session handle
detail	(Optional) Show detailed stats if present

Command Mode

- /exec

show ngoam probe

```
show ngoam probe { { statistics { summary | { session { <handle> | all } } } } }
```

Syntax Description

show	Show running system information
ngoam	ngoam
probe	ngoam probe
statistics	ngoam probe statistics
summary	ngoam probe statistics summary
session	ngoam probe session
<i>handle</i>	ngoam probe session handle
all	Display results for all probe sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>transaction-id</i>	(Optional) Transaction Identifier
<i>dst-vip</i>	(Optional) Destination Vtep ip address
<i>vni</i>	(Optional) vxlan header vni
<i>oam-type</i>	(Optional) draft pang oam type
<i>flow-str</i>	(Optional) 128 byte flow string.
<i>last-clear-stats</i>	(Optional) last clear time for statistics
<i>req-sent</i>	(Optional) request sent
<i>req-not-sent</i>	(Optional) request not sent or failed
<i>statistics-end</i>	(Optional) statistics table end marker
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent

<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent

Command Mode

- /exec

show ngoam traceroute statistics

```
show ngoam traceroute statistics { summary | { session { <handle> | all } } }
```

Syntax Description

show	Show running system information
ngoam	ngoam
traceroute	ngoam traceroute
statistics	ngoam traceroute statistics
summary	ngoam traceroute statistics summary
session	ngoam traceroute session
<i>handle</i>	ngoam traceroute session handle
all	Display results for all traceroute sessions
TABLE_stats	(Optional) statistics table
<i>sender-handle</i>	(Optional) sender handle
<i>last-clear-stats</i>	(Optional) last clear time for statistics
TABLE_stats_attr	(Optional) Stats attributes table
<i>stat-attr</i>	(Optional) stats type
<i>stat-value</i>	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
<i>last-clear-summary-stats</i>	(Optional) last clear time for summary statistics
<i>tx</i>	(Optional) summary request sent
<i>rx</i>	(Optional) summary reply received
<i>timeout</i>	(Optional) summary timeout
<i>unsent</i>	(Optional) summary unsent
<i>resp-tx</i>	(Optional) summary resp tx
<i>resp-rx</i>	(Optional) summary resp rx
<i>resp-unsent</i>	(Optional) summary resp unsent
<i>resp-dup</i>	(Optional) Duplicate responses received

Command Mode

- /exec

show ngoam xconnect session

show ngoam xconnect session { <id> [iodb] | all [dbdump] }

Syntax Description

show	Show running system information
ngoam	ngoam information
xconnect	crossconnect info
session	xc session id
<i>id</i>	Vlan-id of the xc
iodb	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
all	show summary info for all sessions

Command Mode

- /exec

show npiv status

show npiv status

Syntax Description

show	Show running system information
npiv	Show information about the npiv feature
status	Show the status of the npiv feature

Command Mode

- /exec

show npv external-interface-usage

```
show npv external-interface-usage [ server-interface <if0> ]
```

Syntax Description

show	Show running system information
npv	Show information about NPV
external-interface-usage	Show external interface usage by server interfaces
server-interface	(Optional) Show external interface usage by a server interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show npv flogi-table

show npv flogi-table [{ interface <if0> | vsan <i0> }]

Syntax Description

show	Show running system information
npv	Show information about NPV
flogi-table	Show information about FLOGI sessions
interface	(Optional) Show information about FLOGI sessions for a server interface
<i>if0</i>	(Optional)
vsan	(Optional) Show information about FLOGI sessions for a VSAN
<i>i0</i>	(Optional)

Command Mode

- /exec

show npv status

show npv status [vsan <i0>]

Syntax Description

show	Show running system information
npv	Show information about NPV
status	Show NPV status
vsan	(Optional) Show NPV status for a specific VSAN
<i>i0</i>	(Optional)

Command Mode

- /exec

show npv traffic-map

show npv traffic-map [server-interface <if0>]

Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-map	Show information about Traffic Map
server-interface	(Optional) Show information about Traffic map for a server interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show ntp access-groups

show ntp access-groups

Syntax Description

show	Show running system information
ntp	Show NTP information
access-groups	Display NTP access groups

Command Mode

- /exec

show ntp authentication-keys

show ntp authentication-keys

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-keys	Display authentication keys

Command Mode

- /exec

show ntp authentication-status

show ntp authentication-status

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-status	NTP Authentication Status

Command Mode

- /exec

show ntp information

show ntp information

Syntax Description

show	Show running system information
ntp	Show NTP information
information	Show ntp information

Command Mode

- /exec

show ntp logging-status

show ntp logging-status

Syntax Description

show	Show running system information
ntp	Show NTP information
logging-status	Display NTP logging status

Command Mode

- /exec

show ntp peer-status

show ntp peer-status

Syntax Description

show	Show running system information
ntp	Show NTP information
peer-status	Show the status for all the server/peers

Command Mode

- /exec

show ntp peers

show ntp peers

Syntax Description

show	Show running system information
ntp	Show NTP information
peers	Show all the peers.

Command Mode

- /exec

show ntp rts-update

show ntp rts-update

Syntax Description

show	Show running system information
ntp	Show NTP information
rts-update	Show if the RTS update is enabled

Command Mode

- /exec

show ntp session status

show ntp session status

Syntax Description

show	Show running system information
ntp	Show NTP information
session	Show the session information
status	Show the session status

Command Mode

- /exec

show ntp source-interface

show ntp source-interface

Syntax Description

show	Show running system information
ntp	Show NTP information
source-interface	Source interface configured

Command Mode

- /exec

show ntp source

show ntp source

Syntax Description

show	Show running system information
ntp	Show NTP information
source	Source IP address configured

Command Mode

- /exec

show ntp statistics

```
show ntp statistics { [ io ] | [ local ] | [ memory ] | peer { ipaddr { <ipv4_0> | <ipv6_1> } | name <s0> } }
```

Syntax Description

show	Show running system information
ntp	Show NTP information
statistics	Show the NTP statistics
io	(Optional) Show the input-output statistics.
local	(Optional) Show the counters maintained by the local NTP.
memory	(Optional) Show the statistics counters related to memory code.
peer	Show the per-peer statistics counter of a peer.
ipaddr	Peer's IP address
<i>ipv4_0</i>	
name	Peer's Name
<i>s0</i>	

Command Mode

- /exec

show ntp status

show ntp status

Syntax Description

show	Show running system information
ntp	Show NTP information
status	Show the NTP distribution status

Command Mode

- /exec

show ntp trusted-keys

show ntp trusted-keys

Syntax Description

show	Show running system information
ntp	Show NTP information
trusted-keys	Display trusted keys

Command Mode

- /exec

show nve adjacency mpls

show nve adjacency mpls

Syntax Description

show	Display NVE information
nve	Configure NVE information
adjacency	Downstream Adjacencies
mpls	Segment routing

Command Mode

- /exec

show nve bfd neighbors

show nve bfd neighbors

Syntax Description

show	Display NVE information
nve	Configure NVE information
bfd	BFD
neighbors	neighbors

Command Mode

- /exec

show nve core-links

show nve core-links

Syntax Description

show	Display NVE information
nve	Configure NVE information
core-links	Core-links

Command Mode

- /exec

show nve ethernet-segment

```
show nve ethernet-segment [ summary ] [ { esi <esi-id> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
ethernet-segment	Ethernet-segment
summary	(Optional) Ethernet-segment summary
esi	(Optional) ESI Value
<i>esi-id</i>	(Optional) ESI ID

Command Mode

- /exec

show nve evi

show nve evi

Syntax Description

show	Display NVE information
nve	Configure NVE information
evi	Ethernet Virtual Identifier

Command Mode

- /exec

show nve interface

show nve interface [<nve-if> [detail]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
interface	Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information

Command Mode

- /exec

show nve mpls

show nve mpls

Syntax Description

show	Display NVE information
nve	Configure NVE information
mpls	Segment routing

Command Mode

- /exec

show nve multisite dci-links

show nve multisite dci-links

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
dci-links	dci-links

Command Mode

- /exec

show nve multisite fabric-links

show nve multisite fabric-links

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
fabric-links	fabric-links

Command Mode

- /exec

show nve peers

```
show nve peers [ [ [ interface <nve-if> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } | control-plane | data-plane
] [ detail ] ] | [ control-plane-vni [ vni <vni-id> | peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] ] | [ controller
] ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address
control-plane	(Optional) Show peers learned via control plane
data-plane	(Optional) Show peers learned via data plane
control-plane-vni	(Optional) Show details of control plane vnis
vni	(Optional) VNI ID
<i>vni-id</i>	(Optional) Virtual Network Identifier
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show nve peers interface counters

```
show nve peers { <addr> | <addr-v6> } interface <nve-if> counters
```

Syntax Description

show	Display NVE information
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

show nve peers mpls

```
show nve peers mpls [ peer-ip { <user-peer-ip> | <user-peer-ipv6> } ] [ detail ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
mpls	Segment routing peers
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
<i>user-peer-ip</i>	(Optional) Remote Peer IP address

Command Mode

- /exec

show nve peers vni interface counters

show nve peers { { <addr> | <addr-v6> } | all } vni { <vni-id> | all } interface <nve-if> counters

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
<i>addr</i>	Remote Peer IP Address
all	Show 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

show nve replication-servers

show nve replication-servers

Syntax Description

show	Display NVE information
nve	Configure NVE information
replication-servers	replication-servers

Command Mode

- /exec

show nve resource-limits multicast

show nve resource-limits multicast

Syntax Description

show	Display NVE information
nve	Configure NVE information
resource-limits	Display resource use and maximums
multicast	Display underlay multicast group use and maximums

Command Mode

- /exec

show nve vni

```
show nve vni [ { { interface <nve-if> | <vni-id> | all } [ detail ] } | control-plane | data-plane | summary |
controller ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface
all	(Optional) Display all VNIs
detail	(Optional) Detailed information
control-plane	(Optional) show vni learned via BGP
data-plane	(Optional) show vni learned via data plane
summary	(Optional) show vni summary
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show nve vni counters

```
show nve vni { <vni-id> | all } counters
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
all	Show counters for all vnis
counters	Counters

Command Mode

- /exec

show nve vni ingress-replication

show nve vni ingress-replication [{ interface <nve-if> | <vni-id> }]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
ingress-replication	ingress-replication
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface

Command Mode

- /exec

show nve vni mdt

```
show nve vni { <vni-id> | all } mdt [ { local | remote | peer-sync } ] [ { <cs> <cg> } | { <cs6> <cg6> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
<i>vni-id</i>	Virtual Network Identifier
all	Display MDT info for all vnis
mdt	Data MDT(Multicast Distribution Tree)
local	(Optional) Show MDT info for multicast traffic which are learnt locally
remote	(Optional) Show MDT info for multicast traffic which are learnt from remote
peer-sync	(Optional) Show MDT info for multicast traffic which are synced from VPC peers
<i>cs</i>	(Optional) Customer Source IP address
<i>cg</i>	(Optional) Customer Group IPi address

Command Mode

- /exec

show nve vni peer-vtep

show nve vni peer-vtep [{ interface <nve-if> | <vni-id> }]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
peer-vtep	Show static peer-vtep configured per vni
<i>vni-id</i>	(Optional) Virtual Network Identifier
interface	(Optional) Interface
<i>nve-if</i>	(Optional) NVE interface

Command Mode

- /exec

show nve vrf

show nve vrf [vrf-name]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
<i>vrf-name</i>	(Optional) vrf name

Command Mode

- /exec

show nve vrf mdt

```
show nve vrf { <vrfname> | all } mdt [ { local | remote | peer-sync } ] [ { <cs> <cg> } | { <cs6> <cg6> } ]
```

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
<i>vrfname</i>	VRF name
all	Display MDT info for all VRFs
mdt	Data MDT(Multicast Distribution Tree)
local	(Optional) Show MDT info for multicast traffic which are learnt locally
remote	(Optional) Show MDT info for multicast traffic which are learnt from remote
peer-sync	(Optional) Show MDT info for multicast traffic which are synced from VPC peers
<i>cs</i>	(Optional) Customer Source IP address
<i>cg</i>	(Optional) Customer Group IP address

Command Mode

- /exec

show nve vxlan-params

show nve vxlan-params

Syntax Description

show	Display NVE information
nve	Configure NVE information
vxlan-params	VxLAN Parameters

Command Mode

- /exec

show nxapi-server logs

show nxapi-server logs

Syntax Description

show	Show running system information
nxapi-server	Show NX-API Server
logs	Show NX-API Server logs

Command Mode

- /exec

show nxapi

show nxapi

Syntax Description

show	Show running system information
nxapi	Show nxapi status

Command Mode

- /exec



0 Show Commands

- [show object-group](#), on page 1635
- [show ospfv3](#), on page 1636
- [show ospfv3 border-routers](#), on page 1637
- [show ospfv3 database](#), on page 1638
- [show ospfv3 database database-summary](#), on page 1640
- [show ospfv3 database detail](#), on page 1641
- [show ospfv3 interface](#), on page 1643
- [show ospfv3 interface brief](#), on page 1644
- [show ospfv3 neighbors](#), on page 1645
- [show ospfv3 neighbors detail](#), on page 1646
- [show ospfv3 neighbors summary](#), on page 1647
- [show ospfv3 request-list](#), on page 1648
- [show ospfv3 retransmission-list](#), on page 1649
- [show ospfv3 route](#), on page 1650
- [show ospfv3 route summary](#), on page 1651
- [show ospfv3 statistics](#), on page 1652
- [show ospfv3 summary-address](#), on page 1653
- [show ospfv3 traffic](#), on page 1654
- [show ospfv3 virtual-links](#), on page 1655
- [show ospfv3 virtual-links brief](#), on page 1656
- [show otv isis](#), on page 1657
- [show otv isis active-source](#), on page 1658
- [show otv isis adjacency](#), on page 1659
- [show otv isis aed-svr-req local](#), on page 1660
- [show otv isis database](#), on page 1661
- [show otv isis ed-summary local](#), on page 1662
- [show otv isis ed-summary remote](#), on page 1663
- [show otv isis fast-flood](#), on page 1664
- [show otv isis hostname](#), on page 1665
- [show otv isis interface](#), on page 1666
- [show otv isis ip mroute](#), on page 1667
- [show otv isis ip redistribute mroute](#), on page 1668
- [show otv isis redistribute route](#), on page 1669

- [show otv isis route-map statistics, on page 1670](#)
- [show otv isis route, on page 1671](#)
- [show otv isis rrm, on page 1672](#)
- [show otv isis site-index, on page 1673](#)
- [show otv isis site, on page 1674](#)
- [show otv isis spf-log, on page 1675](#)
- [show otv isis srm, on page 1676](#)
- [show otv isis ssn, on page 1677](#)
- [show otv isis statistics, on page 1678](#)
- [show otv isis track-adjacency-nextHop, on page 1679](#)
- [show otv isis traffic, on page 1680](#)
- [show otv isis vlan-status local, on page 1681](#)

show object-group

show object-group [<obj-name>]

Syntax Description

show	Show running system information
object-group	Show configured ACL object groups
<i>obj-name</i>	(Optional) object-group name

Command Mode

- /exec

show ospfv3

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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

Command Mode

- /exec

show ospfv3 border-routers

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] border-routers [ all_routes ] [
vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
border-routers	Border routers
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ospfv3 database

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ [ router | network
| intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ [ { link | link-unknown |
grace } [ <interface> ] ] ] ] [ area <area-id-ip> ] ] | external [ tag <tag_val> ] | as-unknown [ <lsid> ] [
self-originated | adv-router <adv-id> | adv-router-name <adv-name> ] ] [ vrf { <vrf-name> | <vrf-known-name>
| all } ] ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
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
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
interface	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs

self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value

Command Mode

- /exec

show ospfv3 database database-summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database database-summary
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
database	Link-state Database Summary
database-summary	Summary of database

Command Mode

- /exec

show ospfv3 database detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ [ [ router | network | intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [ [ { link | link-unknown | grace } [ <interface> ] ] ] ] [ area <area-id-ip> ] ] | external [ tag <tag_val> ] | as-unknown ] [ <lsid> ] [ self-originated | adv-router <advid> | adv-router-name <adv-name> ] detail [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
<i>interface</i>	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs

self-originated	(Optional) Display only self-originated LSAs
<i>lsid</i>	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
<i>advid</i>	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
<i>adv-name</i>	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
<i>area-id-ip</i>	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
<i>tag_val</i>	(Optional) 32-bit tag value
detail	Display LSA in detail

Command Mode

- /exec

show ospfv3 interface

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface [ <interface> | vrf {
<vrf-name> | <vrf-known-name> | all } ] [ private ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
interface	OSPF enabled interface
<i>interface</i>	(Optional) OSPF enabled interface
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ospfv3 interface brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface brief [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
interface	OSPF enabled interface
brief	Display summary of OSPFv3 interfaces

Command Mode

- /exec

show ospfv3 neighbors

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ { { <interface> [ <neighbor> | <neighbor-name> ] } | { [ <neighbor> | <neighbor-name> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
<i>neighbor-name</i>	(Optional) DNS Name of the neighbor

Command Mode

- /exec

show ospfv3 neighbors detail

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ] [ <neighbor> ] detail [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ private ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
<i>neighbor</i>	(Optional) Router ID of neighbor
detail	Show detailed neighbor display
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show ospfv3 neighbors summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbors [ <interface> ]
summary [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
neighbors	Neighbor list
<i>interface</i>	(Optional) OSPF enabled interface
summary	Summary of neighbors

Command Mode

- /exec

show ospfv3 request-list

show [ipv6] ospfv3 [<tag>] request-list { <ip-addr> | <neighbor-name> } <interface>

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
request-list	Link state request list
<i>interface</i>	OSPF enabled interface
<i>ip-addr</i>	Neighbor router ID
<i>neighbor-name</i>	DNS Name of the neighbor

Command Mode

- /exec

show ospfv3 retransmission-list

```
show [ ipv6 ] ospfv3 [ <tag> ] retransmission-list { <routerid> | <router-name> } <interface>
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
retransmission-list	Link state retransmission list
<i>routerid</i>	Neighbor router ID
<i>router-name</i>	DNS Name of the router
<i>interface</i>	OSPF enabled interface

Command Mode

- /exec

show ospfv3 route

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] [ all_routes ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ospfv3 route summary

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] route [ <ipv6-prefix> [
longer-prefixes ] ] summary [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts

Command Mode

- /exec

show ospfv3 statistics

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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	Event counters

Command Mode

- /exec

show ospfv3 summary-address

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] summary-address [ private ]
[ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
summary-address	Summary-address redistribution information
private	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>tag</i>	(Optional)

Command Mode

- /exec

show ospfv3 traffic

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> [ detail ]
| [ detail ] | [ detail ] vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<i>tag</i>	(Optional) Process tag
<i>interface</i>	(Optional) OSPF enabled interface
detail	(Optional) Display detailed 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
traffic	Packet counters

Command Mode

- /exec

show ospfv3 virtual-links

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
virtual-links	Virtual link information

Command Mode

- /exec

show ospfv3 virtual-links brief

```
show [ ipv6 ] ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] virtual-links brief [ vrf {
<vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
<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
virtual-links	Virtual link information
brief	Display summary of OSPFv3 virtual links

Command Mode

- /exec

show otv isis

```
show otv isis [ <otv-isis-tag> ] [ vpn { <vrf-name> | all } ] [ process | protocol ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) Display information for all VRFs
process	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
protocol	(Optional) Display IS-IS process information

Command Mode

- /exec

show otv isis active-source

```
show otv isis [ <otv-isis-tag> ] active-source [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
active-source	Display IS-IS Active-source information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis adjacency

```
show otv isis [ <otv-isis-tag> ] adjacency [ <interface> ] { [ system-id <sid> ] | [ detail ] | [ summary ] } [ vpn
{ <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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	Display IS-IS adjacency information
<i>interface</i>	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
<i>sid</i>	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
summary	(Optional) Display IS-IS adjacency summary information

Command Mode

- /exec

show otv isis aed-svr-req local

```
show otv isis [ <otv-isis-tag> ] aed-svr-req { local | remote }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
aed-svr-req	Display aed svr req Info
local	local
remote	remote

Command Mode

- /exec

show otv isis database

```
show otv isis [ <otv-isis-tag> ] [ site ] database [ mgroup ] [ detail | advertise | summary ] [ <lid> ] { [
zero-sequence ] | [ adjacency <adj-id> ] } [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	(Optional) Display IS-IS OTV site information
vpn	(Optional) Display VPN information
<i>vrf-name</i>	(Optional) VPN name
all	(Optional) All configured VPNs
database	Display IS-IS database information
mgroup	(Optional) Display IS-IS GM database information
<i>lid</i>	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information
advertise	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
adjacency	(Optional) Adjacency filter
<i>adj-id</i>	(Optional) Single exact match adjacency filter

Command Mode

- /exec

show otv isis ed-summary local

show otv isis [<otv-isis-tag>] ed-summary local

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
local	local

Command Mode

- /exec

show otv isis ed-summary remote

```
show otv isis [ <otv-isis-tag> ] ed-summary remote [ site-identifier { <site-id-mac> | <site-id-hex> } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
ed-summary	Display ED Summary Info
remote	remote
site-identifier	(Optional) site-identifier
<i>site-id-mac</i>	(Optional) Site ID in MAC address format
<i>site-id-hex</i>	(Optional) Site ID in hex

Command Mode

- /exec

show otv isis fast-flood

```
show otv isis [ <otv-isis-tag> ] fast-flood
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
fast-flood	Fast flood the LSP's

Command Mode

- /exec

show otv isis hostname

```
show otv isis [ <otv-isis-tag> ] hostname [ detail ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
hostname	Display IS-IS hostname table information
detail	(Optional) Display detailed IS-IS information

Command Mode

- /exec

show otv isis interface

```
show otv isis [ <otv-isis-tag> ] interface [ brief | <interface> ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
brief	(Optional) Brief display of IS-IS interfaces
interface	Display IS-IS interface information
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show otv isis ip mroute

```
show otv isis [ <otv-isis-tag> ] ip mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr> ] ] ] [
summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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	Display IS-IS IPv4 information
mroute	Display IS-IS multicast group information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis ip redistribute mroute

```
show otv isis [ <otv-isis-tag> ] ip redistribute mroute [ vlan <vlan-id> [ group <gip-addr> [ source <sip-addr>
] ] ] [ summary ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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	Display IS-IS IPv4 information
redistribute	Display IS-IS redistribute information
vlan	(Optional) Display IS-IS VLAN information
<i>vlan-id</i>	(Optional) Display IS-IS VLAN information
group	(Optional) Display IS-IS Group information
source	(Optional) Display IS-IS Source information
<i>gip-addr</i>	(Optional) Display single IP redistribute route
<i>sip-addr</i>	(Optional) Display single IP redistribute route
mroute	Display IS-IS multicast group information
summary	(Optional) Display route counts

Command Mode

- /exec

show otv isis redistribute route

```
show otv isis [ <otv-isis-tag> ] [ mac ] redistribute route [ summary ] [ direct-mask ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
mac	(Optional) Display IS-IS MAC information
summary	(Optional) Display route counts
direct-mask	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show otv isis route-map statistics

```
show otv isis [ <otv-isis-tag> ] route-map statistics [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
route-map	Display IS-IS route-map information
statistics	Display IS-IS route-map statistics

Command Mode

- /exec

show otv isis route

```
show otv isis [ <otv-isis-tag> ] route [ summary | detail | is ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
is	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
route	Display IS-IS route information
summary	(Optional) Display route counts
detail	(Optional) Display detail route information

Command Mode

- /exec

show otv isis rrm

```
show otv isis [ <otv-isis-tag> ] rrm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
rrm	Display IS-IS Retransmit-Routing-Message information
mgroup	(Optional) Display IS-IS GM Retransmit-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis site-index

show otv isis [<otv-isis-tag>] site-index

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site-index	Display site index table

Command Mode

- /exec

show otv isis site

```
show otv isis [ <otv-isis-tag> ] site [ statistics ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
site	Display IS-IS OTV site information
statistics	(Optional) Display IS-IS protocol statistics

Command Mode

- /exec

show otv isis spf-log

```
show otv isis [ <otv-isis-tag> ] spf-log [ detail ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
spf-log	Display IS-IS SPF information
detail	(Optional) Display detail ISIS SPF information

Command Mode

- /exec

show otv isis srm

```
show otv isis [ <otv-isis-tag> ] srm [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
srm	Display IS-IS Send-Routing-Message information
mgroup	(Optional) Display IS-IS GM-Send-Routing-Message information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis ssn

```
show otv isis [ <otv-isis-tag> ] ssn [ mgroup ] <interface> [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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
ssn	Display IS-IS Send-Sequence-Number information
mgroup	(Optional) Display IS-IS GM-Send-Sequence-Number information
<i>interface</i>	IS-IS interface

Command Mode

- /exec

show otv isis statistics

```
show otv isis [ <otv-isis-tag> ] statistics [ <interface> ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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	Display IS-IS protocol statistics
<i>interface</i>	(Optional) IS-IS interface

Command Mode

- /exec

show otv isis track-adjacency-nexthop

show otv isis [<otv-isis-tag>] track-adjacency-nexthop

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
track-adjacency-nexthop	Display IS-IS OTV adjacency nexthop tracking information

Command Mode

- /exec

show otv isis traffic

```
show otv isis [ <otv-isis-tag> ] traffic [ <interface> ] [ mbuf-priority ] [ vpn { <vrf-name> | all } ]
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<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	Display IS-IS traffic information
<i>interface</i>	(Optional) IS-IS interface
mbuf-priority	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show otv isis vlan-status local

```
show otv isis [ <otv-isis-tag> ] vlan-status { local | remote }
```

Syntax Description

show	Show running system information
otv	Display OTV information
isis	Display IS-IS status and configuration
<i>otv-isis-tag</i>	(Optional) Routing process tag
vlan-status	Display vlan status Info
local	local
remote	remote

Command Mode

- /exec

```
show otv isis vlan-status local
```



P Show Commands

- [show param-list](#), on page 1686
- [show password secure-mode](#), on page 1687
- [show password strength-check](#), on page 1688
- [show pie broker](#), on page 1689
- [show pie envmon](#), on page 1690
- [show pie eventdb](#), on page 1691
- [show pie eventid](#), on page 1693
- [show pie interface](#), on page 1694
- [show platform vboot](#), on page 1695
- [show platform vnic info](#), on page 1696
- [show platform vnic mapped](#), on page 1697
- [show pmap-int-br interface br](#), on page 1698
- [show pmap-int](#), on page 1699
- [show pnp lease](#), on page 1700
- [show pnp posix_pi configs](#), on page 1701
- [show pnp posix_pi tech-support](#), on page 1702
- [show pnp profiles](#), on page 1703
- [show pnp status](#), on page 1704
- [show pnp summary](#), on page 1705
- [show pnp version](#), on page 1706
- [show policy-map](#), on page 1707
- [show policy-map interface control-plane](#), on page 1708
- [show policy-map system](#), on page 1709
- [show policy-map type control-plane](#), on page 1710
- [show policy-map type network-qos](#), on page 1711
- [show port-channel capacity](#), on page 1712
- [show port-channel compatibility-parameters](#), on page 1713
- [show port-channel database](#), on page 1714
- [show port-channel fast-convergence](#), on page 1715
- [show port-channel load-balance](#), on page 1716
- [show port-channel load-balance forwarding-path1 interface src-interface](#), on page 1717
- [show port-channel load-balance forwarding-path interface](#), on page 1719
- [show port-channel load-balance hardware forwarding-path interface source](#), on page 1721

- [show port-channel rbh-distribution](#), on page 1723
- [show port-channel scale-fanout](#), on page 1724
- [show port-channel summary](#), on page 1725
- [show port-channel traffic](#), on page 1726
- [show port-channel usage](#), on page 1727
- [show port-license](#), on page 1728
- [show port-profile](#), on page 1729
- [show port-profile brief](#), on page 1730
- [show port-profile expand-interface](#), on page 1731
- [show port-profile sync-status](#), on page 1732
- [show port-profile usage](#), on page 1733
- [show port-security](#), on page 1734
- [show port-security address](#), on page 1735
- [show port-security address interface](#), on page 1736
- [show port-security interface](#), on page 1737
- [show port-security state](#), on page 1738
- [show port led-status module](#), on page 1739
- [show port naming](#), on page 1740
- [show postcard-telemetry exporter](#), on page 1741
- [show postcard-telemetry flow-profile](#), on page 1742
- [show postcard-telemetry monitor](#), on page 1743
- [show postcard-telemetry queue-profile](#), on page 1744
- [show postcard-telemetry sessions](#), on page 1745
- [show postcard-telemetry watchlist](#), on page 1746
- [show power inline](#), on page 1747
- [show power inline](#), on page 1748
- [show power inline detail](#), on page 1749
- [show power inline police](#), on page 1750
- [show power inline priority](#), on page 1751
- [show processes](#), on page 1752
- [show processes cpu](#), on page 1753
- [show processes cpu history](#), on page 1754
- [show processes cpu history data](#), on page 1755
- [show processes cpu module](#), on page 1756
- [show processes log](#), on page 1757
- [show processes log details](#), on page 1758
- [show processes log pid](#), on page 1759
- [show processes log vdc-all](#), on page 1760
- [show processes memory](#), on page 1761
- [show processes memory physical](#), on page 1762
- [show processes memory shared](#), on page 1763
- [show processes vdc](#), on page 1764
- [show processes vdc cpu](#), on page 1765
- [show processes vdc log](#), on page 1766
- [show processes vdc log details](#), on page 1767
- [show processes vdc log pid](#), on page 1768

- [show processes vdc memory](#), on page 1769
- [show pss debug](#), on page 1770
- [show ptp brief](#), on page 1771
- [show ptp clock](#), on page 1772
- [show ptp clock foreign-masters record](#), on page 1773
- [show ptp corrections](#), on page 1774
- [show ptp cost](#), on page 1775
- [show ptp counters interface](#), on page 1776
- [show ptp delay summary](#), on page 1777
- [show ptp detail](#), on page 1778
- [show ptp domain data](#), on page 1779
- [show ptp interface domain](#), on page 1780
- [show ptp packet-trace](#), on page 1781
- [show ptp parent](#), on page 1782
- [show ptp port interface](#), on page 1783
- [show ptp time-property](#), on page 1784
- [show ptp unicast-negotiation](#), on page 1785

show param-list

```
show param-list [ param-list-name <plistname> ] [ show-instance ]
```

Syntax Description

show	Show running system information
param-list	Show param-list
param-list-name	(Optional) param list name
<i>plistname</i>	(Optional) Enter the name of the param-list
show-instance	(Optional) show instances for the param list

Command Mode

- /exec

show password secure-mode

show password secure-mode

Syntax Description

show	Show running system information
password	Password for the user
secure-mode	secure mode for changing passwords

Command Mode

- /exec

show password strength-check

show password strength-check

Syntax Description

show	Show running system information
password	Password for the user
strength-check	Strength check of password

Command Mode

- /exec

show pie broker

show pie broker { clients | subscriptions | timers | events | event-stats | drp }

Syntax Description

show	Show running system information
pie	Show information about pie
broker	Show information about broker
clients	Show information about pie clients
subscriptions	Show subscriptions
timers	Show all timers
events	Show all events
event-stats	Show event stats
drp	Show data retention policy for events

Command Mode

- /exec

show pie envmon

```
show pie envmon { psu { all | <psuid> } | fan | sensor [ module <module> ] | cpu-usage [ module <module> ] | mem-usage [ module <module> ] } [ detail ] [ count <num_events> ]
```

Syntax Description

show	Show running system information
pie	Show information about pie
envmon	Show environment monitoring insights information
psu	Show power-supply insights
all	Show all PSU insights
<i>psuid</i>	
fan	Show fan insights
sensor	Show sensor insights
cpu-usage	Show cpu usage insights
mem-usage	Show memory usage insights
detail	(Optional) Show insights details
count	(Optional) Show N number of events
<i>num_events</i>	(Optional) 0 -- Unlimited N -- num of events
module	(Optional) Show pie events for this module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show pie eventdb

```
show pie eventdb { all | link-flaps | link-down | link-flap-rca | link-down-rca | ssd-cur | ssd-overall | ssd-summary
| ssd-smartctl [ insights ] | dom | dom_db | dom_xthres | cpu-usage [ insights ] | mem-usage [ insights ] | psu
[ insights ] | fan [ insights ] | sensor [ insights ] } [ module <module> ] [ detail ] [ count <num_events> ]
```

Syntax Description

show	Show running system information
pie	Show information about pie
eventdb	Show pie events from eventdb
all	Show all classes of events
link-flaps	Show link-flap events
link-down	Show link-down events
link-flap-rca	Show link-flap rca
link-down-rca	Show link-down rca
ssd-cur	Show SSD Current Stat events
ssd-overall	Show SSD Overall Stat events
ssd-summary	Show SSD aggregate summary events
ssd-smartctl	Show SSD smartctl events
dom	Show xcvr dom
dom_db	Show xcvr dom DB
dom_xthres	Show xcvr dom xthres
cpu-usage	Show cpu usage events
insights	(Optional) Show insights events
mem-usage	Show memory usage events
psu	Show power-supply events
fan	Show fan events
sensor	Show sensor events
detail	(Optional) Show event details
count	(Optional) Show N number of events
<i>num_events</i>	(Optional) 0 -- Unlimited N -- num of events

module	(Optional) Show pie events for this module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show pie eventid

show pie eventid <eventid>

Syntax Description

show	Show running system information
pie	Show information about pie
eventid	Show information about this eventid
<i>eventid</i>	event id

Command Mode

- /exec

show pie interface

show pie interface <iface> { link-flap-rca | link-down-rca | transceiver-insights } [detail]

Syntax Description

show	Show running system information
pie	Show information about pie
interface	Interface events
<i>iface</i>	interface
link-flap-rca	Show link-flap events
link-down-rca	Show link-down reason
transceiver-insights	Show optics health
detail	(Optional) Show event details

Command Mode

- /exec

show platform vboot

show platform vboot

Syntax Description

show	Show running system information
platform	Platform specific commands
vboot	Virtual module boot information

Command Mode

- /exec

show platform vnic info

show platform vnic info

Syntax Description

show	Show running system information
platform	Platform specific commands
vnic	Virtual Network Interface Card
info	Show general VNIC information

Command Mode

- /exec

show platform vnic mapped

show platform vnic mapped [module <module-num>]

Syntax Description

show	Show running system information
platform	Platform specific commands
vnic	Virtual Network Interface Card
mapped	Show mapped interfaces

Command Mode

- /exec

show pmap-int-br interface br

show pmap-int-br interface br

Syntax Description

show	Show running system information
pmap-int-br	Show policy maps
interface	Show service policy on interface
br	Brief report of all policies attached to interfaces
TABLE_ifvlanstr	(Optional) all interfaces xml sessions
<i>if-vlan-str</i>	(Optional) ifindex or vlan id: xml key

Command Mode

- /exec

show pmap-int

```
show pmap-int { interface [ <i>iface-list</i> ] [ input | output ] [ type <qos-or-q> ] [ detail ] |
```

Syntax Description

show	Show running system information
pmap-int	Show policy maps
interface	Show service policy on interface
<i>iface-list</i>	(Optional) List of Interface
input	(Optional) Input Service policy
output	(Optional) Output Service policy
type	(Optional) Type of policy
<i>qos-or-q</i>	(Optional)
detail	(Optional) Detailed QoS or Queuing statistics

Command Mode

- /exec

show pnp lease

show pnp lease

Syntax Description

show	Show running system information
pnp	Plug and Play
lease	Show PnP lease information

Command Mode

- /exec

show pnp posix_pi configs

show pnp posix_pi configs

Syntax Description

show	Show running system information
pnp	Plug and Play
posix_pi	Posix PnP PI agent
configs	Posix PnP PI configuration

Command Mode

- /exec

show pnp posix_pi tech-support

show pnp posix_pi tech-support

Syntax Description

show	Show running system information
pnp	Plug and Play
posix_pi	Posix PnP PI agent
tech-support	Technical Support

Command Mode

- /exec

show pnp profiles

show pnp profiles

Syntax Description

show	Show running system information
pnp	Plug and Play
profiles	Show POSIX PnP Profile

Command Mode

- /exec

show pnp status

show pnp status

Syntax Description

show	Show running system information
pnp	Plug and Play
status	Show POSIX PnP Status

Command Mode

- /exec

show pnp summary

show pnp summary

Syntax Description

show	Show running system information
pnp	Plug and Play
summary	Show POSIX PnP Summary

Command Mode

- /exec

show pnp version

show pnp version

Syntax Description

show	Show running system information
pnp	Plug and Play
version	Show POSIX PnP Version

Command Mode

- /exec

show policy-map

```
show policy-map [ { [ type qos ] [ <pmap-name-qos> ] } | { type queuing [ <pmap-name-que> ] } ]
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
qos	(Optional) type qos
queuing	(Optional) type queuing
<i>pmap-name-qos</i>	(Optional) policy map name (type qos)
<i>pmap-name-que</i>	(Optional) policy map name (type queuing)

Command Mode

- /exec

show policy-map interface control-plane

```
show policy-map interface control-plane { [ module <slot-no-in> [ class <cmap-name> ] ] | [ class <cmap-name>
[ module <slot-no-in> ] ] }
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show service policy on interface
control-plane	command is for copp policy
module	(Optional) module number for statistics
class	(Optional) class-name name
<i>cmap-name</i>	(Optional) Name of the class-map
<i>pmap-name</i>	(Optional) Name of the Policy-map

Command Mode

- /exec

show policy-map system

```
show policy-map system [ type { network-qos | qos [ input2 ] | queuing [ input | output ] } ]
```

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
system	Active policy in the system
network-qos	(Optional) type network-qos
qos	(Optional) type qos
input2	(Optional) input policy
queuing	(Optional) type queuing
input	(Optional) input policy
output	(Optional) output policy

Command Mode

- /exec

show policy-map type control-plane

show policy-map type control-plane [expand] [{ name <pmap-name> }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
control-plane	command is for copp policy
expand	(Optional) Display the match-criterias along with class-map
name	(Optional) policy-map name
<i>pmap-name</i>	(Optional) Name of the Policy-map

Command Mode

- /exec

show policy-map type network-qos

show policy-map type network-qos [<pmap-name-nq>]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
<i>pmap-name-nq</i>	(Optional) Policy-map name
network-qos	type network-qos

Command Mode

- /exec

show port-channel capacity

show port-channel capacity

Syntax Description

show	Show running system information
port-channel	Show port-channel information
capacity	Capacity information

Command Mode

- /exec

show port-channel compatibility-parameters

show port-channel compatibility-parameters

Syntax Description

show	Show running system information
port-channel	Show port-channel information
compatibility-parameters	Show compatibility parameters

Command Mode

- /exec

show port-channel database

show port-channel database [interface <if0>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
database	Show port-channel database
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)

Command Mode

- /exec

show port-channel fast-convergence

show port-channel fast-convergence

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
fast-convergence	Show port-channel fast-convergence status

Command Mode

- /exec

show port-channel load-balance

```
show port-channel load-balance { [ module <module> ] | { fex { all } } }
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
load-balance	Show port-channel load balance
module	(Optional) slot
<i>module</i>	(Optional) Specify a module number
fex	FEX devices
all	Display all configured FEX port-channel LB

Command Mode

- /exec

show port-channel load-balance forwarding-path1 interface src-interface

```
show port-channel load-balance forwarding-path1 interface <ch-id> src-interface <src-if> { vlan <vlan-id> |
src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6
<dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ether-type <ethertype> | ip-prot <prot> }
+
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path1	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
vlan	VLAN - for dot1Q tagged packets at ingress
<i>vlan-id</i>	VLAN ID
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IP address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source Port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination Port
<i>l4-dst-port</i>	Destination L4 port

ether-type	Ethernet Type
<i>ethertype</i>	Ethernet Type
src-interface	Optional source interface (physical switch port only)
<i>src-if</i>	Interface name
ip-proto	IP v4/v6 Protocol
<i>prot</i>	IP Protocol

Command Mode

- /exec

show port-channel load-balance forwarding-path interface

```
show port-channel load-balance forwarding-path { interface <ch-id> | hgig } { src-interface <src-if> | vlan
<vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> |
dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol
<prot> | gtp-teid <gtp-teid> | ipv6-flow-label <ipv6-flow-label> } + [ module <module> | fex <fex-range> |
hgig-tgid <tgid> ] + [ source-interface <if-id> ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
hgig	Hgig hashing result (only with RTAG7)
vlan	VLAN of the ingress packet i.e. when available
<i>vlan-id</i>	
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IPv4 address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source L4 port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination l4 port
<i>l4-dst-port</i>	Destination L4 port

ethertype	Ethertype of the packet stream
<i>ethertype</i>	
src-interface	Optional source interface (physical switch port only)
<i>src-if</i>	Interface name
source-interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>if-id</i>	(Optional) Interface name
protocol	Protocol
<i>prot</i>	
gtp-teid	gtp-teid
<i>gtp-teid</i>	gtp-teid
ipv6-flow-label	ipv6-flow-label
<i>ipv6-flow-label</i>	ipv6-flow-label
module	(Optional) Module #
<i>module</i>	(Optional)
fex	(Optional) FEX devices
<i>fex-range</i>	(Optional) FEX device range
hgig-tgid	(Optional) Hgig #
<i>tgid</i>	(Optional)

Command Mode

- /exec

show port-channel load-balance hardware forwarding-path interface source

```
show port-channel load-balance hardware forwarding-path { interface <ch-id> | hgig } { source-interface <if-id> } { vlan <vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol <prot> } + [ module <module> | fex <fex-range> | hgig-tgid <tgid> ]
```

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
hardware	ASIC hardware based information
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
<i>ch-id</i>	Port-Channel name
hgig	Higig hashing result (only with RTAG7)
source-interface	Source interface - Required paramter
<i>if-id</i>	Interface name
vlan	VLAN of the ingress packet i.e. when available
<i>vlan-id</i>	
src-mac	Source MAC Address
<i>src-mac</i>	Source MAC address
dst-mac	Destination MAC Address
<i>dst-mac</i>	Destination MAC address
src-ip	Source IPv4 address
<i>src-ip</i>	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address

l4-src-port	Source L4 port
<i>l4-src-port</i>	Source L4 port
l4-dst-port	Destination l4 port
<i>l4-dst-port</i>	Destination L4 port
ethertype	Ethertype of the packet stream
<i>ethertype</i>	
protocol	Protocol
<i>prot</i>	
module	(Optional) Module #
<i>module</i>	(Optional)
fex	(Optional) FEX devices
<i>fex-range</i>	(Optional) FEX device range
hgig-tgid	(Optional) Hgig #
<i>tgid</i>	(Optional)

Command Mode

- /exec

show port-channel rbh-distribution

show port-channel rbh-distribution [interface <if0>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
rbh-distribution	Show RBH distribution for member ports
interface	(Optional) Specify a port-channel interface
<i>if0</i>	(Optional)

Command Mode

- /exec

show port-channel scale-fanout

show port-channel scale-fanout

Syntax Description

show	Show running system information
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

show port-channel summary

```
show port-channel [ extended-list ] summary [ interface <if0> | controller ]
```

Syntax Description

show	Show running system information
port-channel	Show port-channel information
extended-list	(Optional) Show port-channels from extended range
summary	Show port-channel summary
interface	(Optional) Specify a port-channel
<i>if0</i>	(Optional)
controller	(Optional) Show controller configured port-channels

Command Mode

- /exec

show port-channel traffic

show port-channel traffic [interface <if0>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
traffic	Show port-channel traffic statistics

Command Mode

- /exec

show port-channel usage

show port-channel usage

Syntax Description

show	Show running system information
port-channel	Show port-channel information
usage	Show port-channel number usage

Command Mode

- /exec

show port-license

show port-license

Syntax Description

show	Show running system information
port-license	Show port license information

Command Mode

- /exec

show port-profile

show port-profile [name <all_profile_name>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show port-profile brief

show port-profile brief

Syntax Description

show	Show running system information
port-profile	Show port-profile
brief	Brief info about profiles

Command Mode

- /exec

show port-profile expand-interface

show port-profile expand-interface [name <all_profile_name>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
expand-interface	Active profile config applied in a interface
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show port-profile sync-status

show port-profile sync-status [interface <intfname>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
sync-status	Interfaces out-of-sync with port-profiles
interface	(Optional) Interface name
<i>intfname</i>	(Optional) Name of interface

Command Mode

- /exec

show port-profile usage

show port-profile usage [name <all_profile_name>]

Syntax Description

show	Show running system information
port-profile	Show port-profile
usage	List of interfaces inherited a profile
name	(Optional) port-profile name
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show port-security

show port-security

Syntax Description

port-security	Show secure port information
---------------	------------------------------

Command Mode

- /exec

show port-security address

show port-security address

Syntax Description

port-security	Show secure port information
address	Show secure address

Command Mode

- /exec

show port-security address interface

show port-security address interface <interface-id>

Syntax Description

port-security	Show secure port information
address	Show secure address
interface	Show secure interface
<i>interface-id</i>	ethernet

Command Mode

- /exec

show port-security interface

show port-security interface <interface-id>

Syntax Description

port-security	Show secure port information
interface	Show secure interface
<i>interface-id</i>	ethernet

Command Mode

- /exec

show port-security state

show port-security state

Syntax Description

port-security	Port security related command
state	port security state

Command Mode

- /exec

show port led-status module

show port <port_num> led-status module <module>

Syntax Description

show	Show running system information
port	port
<i>port_num</i>	port number
led-status	led-status of the port
module	module
<i>module</i>	module number

Command Mode

- /exec

show port naming

show port naming

Syntax Description

show	Show running system information
port	Show port information
naming	Show port naming information

Command Mode

- /exec

show postcard-telemetry exporter

show postcard-telemetry exporter [name] [<exportername>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
exporter	Show POSTCARD Exporter Configuration
name	(Optional) Show a specific POSTCARD Exporter
<i>exportername</i>	(Optional) Specify an exporter

Command Mode

- /exec

show postcard-telemetry flow-profile

show postcard-telemetry flow-profile [name] [<flow-profilename>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
flow-profile	Show POSTCARD flow Profile Configuration
name	(Optional) Show a specific POSTCARD flow Profile
<i>flow-profilename</i>	(Optional) Specify an flow Profile

Command Mode

- /exec

show postcard-telemetry monitor

show postcard-telemetry monitor [name] [<monitorname> [cache [detailed]]]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
monitor	Show Monitor Configuration
name	(Optional) Show a specific POSTCARD Monitor
<i>monitorname</i>	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show postcard-telemetry queue-profile

show postcard-telemetry queue-profile [name] [<queue-profilename>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
queue-profile	Show POSTCARD Queue Profile Configuration
name	(Optional) Show a specific POSTCARD Queue Profile
<i>queue-profilename</i>	(Optional) Specify an Queue Profile

Command Mode

- /exec

show postcard-telemetry sessions

show postcard-telemetry sessions [<monitorname>]

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
sessions	Show Session Configuration
<i>monitorname</i>	(Optional) Specify a monitor

Command Mode

- /exec

show postcard-telemetry watchlist

```
show postcard-telemetry watchlist [ name ] [ { <watchlistname> } ]
```

Syntax Description

show	Show running system information
postcard-telemetry	Show POSTCARD information
watchlist	Show watchlist Configuration
name	(Optional) Show the configuration for a specific POSTCARD Record
<i>watchlistname</i>	(Optional) Specify a watchlist

Command Mode

- /exec

show power inline

show power inline <if0>

Syntax Description

show	Show running system information
power	Power over Ethernet
<i>if0</i>	

Command Mode

- /exec

show power inline

show power inline

Syntax Description

show	Show running system information
power	Power over Ethernet

Command Mode

- /exec

show power inline detail

show power inline <inf> detail

Syntax Description

show	Show running system information
power	Power over Ethernet
<i>inf</i>	
detail	PoE details

Command Mode

- /exec

show power inline police

show power inline police

Syntax Description

show	Show running system information
power	Power over Ethernet
police	Show per-port policing

Command Mode

- /exec

show power inline priority

show power inline priority

Syntax Description

show	Show running system information
power	Power over Ethernet
priority	Show per-port priority

Command Mode

- /exec

show processes

show processes

Syntax Description

show	Show running system information
processes	Show processes

Command Mode

- /exec

show processes cpu

show processes cpu [sort]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
sort	(Optional) Show processes CPU Info (Sorted by Cpu Util with time base)

Command Mode

- /exec

show processes cpu history

show processes cpu history

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History

Command Mode

- /exec

show processes cpu history data

show processes cpu history data

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History
data	Display the CPU util as data, instead of graph

Command Mode

- /exec

show processes cpu module

show processes cpu module <i0>

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
module	processes CPU Info
<i>i0</i>	module number

Command Mode

- /exec

show processes log

show processes log

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs

Command Mode

- /exec

show processes log details

show processes log details

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
details	Show detail of all logs with stack

Command Mode

- /exec

show processes log pid

show processes log pid <i0>

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
pid	Show detail log info about a specific process
<i>i0</i>	pid of the process

Command Mode

- /exec

show processes log vdc-all

show processes log vdc-all

Syntax Description

TABLE_processes_log_vdc_all	(Optional) all processes log vdc all
show	Show running system information
processes	Show processes
log	Show information about process logs
vdc-all	Show information about process logs in all vdc's

Command Mode

- /exec

show processes memory

show processes memory

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info

Command Mode

- /exec

show processes memory physical

show processes memory physical

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
physical	Show processes physical Memory

Command Mode

- /exec

show processes memory shared

show processes memory shared [detail | dynamic]

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
shared	Display shared memory info
detail	(Optional) Display shared memory in bytes instead of default kbytes
dynamic	(Optional) Display details of dynamic shared memory segments

Command Mode

- /exec

show processes vdc

show processes vdc <e-vdc2>

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>

Command Mode

- /exec

show processes vdc cpu

show processes vdc <e-vdc2> cpu

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
cpu	Show processes CPU Info

Command Mode

- /exec

show processes vdc log

show processes vdc <e-vdc2> log

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs

Command Mode

- /exec

show processes vdc log details

show processes vdc <e-vdc2> log details

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
details	Show detail of all logs with stack

Command Mode

- /exec

show processes vdc log pid

show processes vdc <e-vdc2> log pid <i1>

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
pid	Show detail log info about a specific process
<i>i1</i>	pid of the process

Command Mode

- /exec

show processes vdc memory

show processes vdc <e-vdc2> memory

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
memory	Show processes Memory Info

Command Mode

- /exec

show pss debug

show pss debug

Syntax Description

show	Show running system information
pss	display pss information
debug	display pss debug configuration

Command Mode

- /exec

show ptp brief

show ptp brief

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
brief	port states in brief

Command Mode

- /exec

show ptp clock

show ptp clock

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes

Command Mode

- /exec

show ptp clock foreign-masters record

show ptp clock foreign-masters record [interface <if0>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes
foreign-masters	foreign-masters
record	record
<i>if0</i>	(Optional)

Command Mode

- /exec

show ptp corrections

show ptp corrections [entries <val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
-----	---

Command Mode

- /exec

show ptp cost

show ptp cost [interface <if0>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
cost	port costs
<i>if0</i>	(Optional)

Command Mode

- /exec

show ptp counters interface

```
show ptp counters { interface <if0> | all } [ { detail | ipv4 <ip> | ipv6 <ip6> } ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
-----	---

Command Mode

- /exec

show ptp delay summary

show ptp delay summary

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay	delay
summary	summary

Command Mode

- /exec

show ptp detail

show ptp detail

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
detail	port info in detail

Command Mode

- /exec

show ptp domain data

show ptp domain data

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp domain number
data	ptp domain data

Command Mode

- /exec

show ptp interface domain

show ptp interface domain

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
interface	port
domain	ptp port domain

Command Mode

- /exec

show ptp packet-trace

show ptp packet-trace

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
-----	---

Command Mode

- /exec

show ptp parent

show ptp parent

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
parent	parent clock

Command Mode

- /exec

show ptp port interface

show ptp port interface <if0>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
port	port
interface	Enter the port interface
<i>if0</i>	

Command Mode

- /exec

show ptp time-property

show ptp time-property

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
time-property	time property

Command Mode

- /exec

show ptp unicast-negotiation

show ptp unicast-negotiation [interface <if0>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
unicast-negotiation	unicast-negotiation
<i>if0</i>	(Optional)

Command Mode

- /exec

show ptp unicast-negotiation



Q Show Commands

- [show qos dcbxp incompatibility interface, on page 1788](#)
- [show qos dcbxp info, on page 1789](#)
- [show qos dcbxp interface, on page 1790](#)
- [show qos shared-policer, on page 1791](#)
- [show queuing, on page 1792](#)
- [show queuing burst-detect, on page 1793](#)
- [show queuing llfc-queue, on page 1794](#)
- [show queuing pfc-queue, on page 1795](#)
- [show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex, on page 1796](#)
- [show queuing pfc-queue snmp ifIndex, on page 1797](#)
- [show queuing tabular, on page 1798](#)
- [show queuing tah-pfc-queue, on page 1799](#)

show qos dcbxp incompatibility interface

show qos dcbxp incompatibility interface <iface-num>

Syntax Description

show	Show running system information
dcbxp	DCBXP
incompatibility	incompatibility information
interface	incompatibility info for interface
<i>iface-num</i>	Interface

Command Mode

- /exec

show qos dcbxp info

show qos dcbxp info

Syntax Description

show	Show running system information
dcbxp	DCBXP
info	information

Command Mode

- /exec

show qos dcbxp interface

show qos dcbxp interface [<iface>]

Syntax Description

show	Show running system information
qos	QoS
dcbxp	DCBXP
interface	Per-interface information
<i>iface</i>	(Optional) Interface

Command Mode

- /exec

show qos shared-policer

show qos shared-policer [type qos1] [<policer-name>]

Syntax Description

show	Show running system information
shared-policer	Shared policer
type	(Optional) Type of shared policer
qos1	(Optional) type qos
<i>policer-name</i>	(Optional) Shared policer name

Command Mode

- /exec

show queuing

show queuing [interface [<if_list>]] [summary] [module <module>]

Syntax Description

show	commands to display
queuing	Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
summary	(Optional) summary

Command Mode

- /exec

show queuing burst-detect

```
show queuing burst-detect [ [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ] [ last <val>
seconds ] [ fex <chassis-id> ] [ detail ] [ nir ] [ module <module> ] [ detail ] ]
```

Syntax Description

show	commands to display
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
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
last	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>val</i>	(Optional) time in seconds
seconds	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
fex	(Optional) FEX id
<i>chassis-id</i>	(Optional) FEX number
detail	(Optional) detailed statistics
<i>if-str</i>	(Optional) Interface name
nir	(Optional) Network Insights Resources database

Command Mode

- /exec

show queuing llfc-queue

show queuing llfc-queue [interface <if_list>] [module <module>] [detail]

Syntax Description

show	commands to display
queuing	Queuing related information
llfc-queue	LLFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed LLFC Queuing WD information

Command Mode

- /exec

show queuing pfc-queue

show queuing pfc-queue [interface <if_list>] [module <module>] [detail]

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information

Command Mode

- /exec

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex <ifindex>

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	Interface for displaying queuing config
snmp	commands for snmp
watchdogIfQueueTable	Table
ifIndex	port ifIndex
<i>ifindex</i>	interfaces ifIndex

Command Mode

- /exec

show queuing pfc-queue snmp ifIndex

show queuing pfc-queue snmp ifIndex <ifidx>

Syntax Description

show	Show running system information
queuing	Queuing related information
pfc-queue	PFC Queuing related information
snmp	Snmp information
ifIndex	Interface index
<i>ifidx</i>	Index

Command Mode

- /exec

show queuing tabular

show queuing tabular [non-zero [drop-only]] [interface <if_list>] [module <module>]

Syntax Description

show	commands to display
queuing	Queuing related information
tabular	QoS stats in tabular form
non-zero	(Optional) Interface for non-zero stats
drop-only	(Optional) Interface for non-zero drop-only stats
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

show queuing tah-pfc-queue

show queuing tah-pfc-queue [interface <if_list>] [module <module>] [detail]

Syntax Description

show	commands to display
queuing	Queuing related information
tah-pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information

Command Mode

- /exec

show queuing tah-pfc-queue



R Show Commands

- [show radius-cfs](#), on page 1806
- [show radius-server](#), on page 1807
- [show radius-server](#), on page 1808
- [show radius-server directed-request](#), on page 1809
- [show radius-server groups](#), on page 1810
- [show radius-server sorted](#), on page 1811
- [show radius-server statistics](#), on page 1812
- [show radius status](#), on page 1813
- [show redundancy status](#), on page 1814
- [show regexp](#), on page 1815
- [show reload](#), on page 1816
- [show resource](#), on page 1817
- [show rmon](#), on page 1818
- [show role](#), on page 1819
- [show role feature-group](#), on page 1820
- [show role feature](#), on page 1821
- [show role status](#), on page 1822
- [show rollback log exec](#), on page 1823
- [show rollback status](#), on page 1824
- [show route-map](#), on page 1825
- [show route-map brief](#), on page 1826
- [show route-map dynamic](#), on page 1827
- [show route-map pbr-statistics](#), on page 1828
- [show router-guard](#), on page 1829
- [show router-guard](#), on page 1830
- [show routing-context](#), on page 1831
- [show routing](#), on page 1832
- [show routing clients](#), on page 1834
- [show routing hash](#), on page 1835
- [show routing hidden-nh](#), on page 1837
- [show routing ipv6](#), on page 1838
- [show routing ipv6 clients](#), on page 1840
- [show routing ipv6 hash](#), on page 1841

- [show routing ipv6 hidden-nh](#), on page 1843
- [show routing ipv6 memory estimate](#), on page 1844
- [show routing ipv6 memory statistics](#), on page 1845
- [show routing ipv6 multicast bandwidth](#), on page 1846
- [show routing ipv6 multicast clients](#), on page 1847
- [show routing ipv6 multicast lisp encap](#), on page 1848
- [show routing ipv6 multicast mdt encapsulation](#), on page 1849
- [show routing ipv6 multicast memory estimate](#), on page 1850
- [show routing ipv6 multicast sr](#), on page 1851
- [show routing ipv6 nhlfe](#), on page 1852
- [show routing ipv6 recursive-next-hop](#), on page 1853
- [show routing memory estimate](#), on page 1854
- [show routing memory statistics](#), on page 1855
- [show routing multicast clients](#), on page 1856
- [show routing multicast lisp encap](#), on page 1857
- [show routing multicast mdt encapsulation](#), on page 1858
- [show routing multicast memory estimate](#), on page 1859
- [show routing multicast sr](#), on page 1860
- [show routing nhlfe](#), on page 1861
- [show routing recursive-next-hop](#), on page 1862
- [show routing vxlan-hash peer-ip](#), on page 1863
- [show routing vxlan-hash peer-ipv6](#), on page 1864
- [show rscn event-tov vsan](#), on page 1865
- [show rscn pending-diff vsan](#), on page 1866
- [show rscn pending vsan](#), on page 1867
- [show rscn scr-table](#), on page 1868
- [show rscn session status vsan](#), on page 1869
- [show rscn statistics](#), on page 1870
- [show running-config](#), on page 1871
- [show running-config aaa](#), on page 1872
- [show running-config aclmgr](#), on page 1873
- [show running-config adjmgr](#), on page 1874
- [show running-config all](#), on page 1875
- [show running-config app-hosting](#), on page 1876
- [show running-config arp](#), on page 1877
- [show running-config assoc](#), on page 1878
- [show running-config backup](#), on page 1879
- [show running-config bfd](#), on page 1880
- [show running-config bgp](#), on page 1881
- [show running-config bloggerd](#), on page 1882
- [show running-config callhome](#), on page 1883
- [show running-config cdp](#), on page 1884
- [show running-config cert-enroll](#), on page 1885
- [show running-config cfs](#), on page 1886
- [show running-config clock_manager](#), on page 1887
- [show running-config config-profile](#), on page 1888

- [show running-config controller](#), on page 1889
- [show running-config copp](#), on page 1890
- [show running-config cryptopqc](#), on page 1891
- [show running-config dhcp](#), on page 1892
- [show running-config diagnostic](#), on page 1893
- [show running-config diff](#), on page 1894
- [show running-config dot1x](#), on page 1895
- [show running-config ecp](#), on page 1896
- [show running-config eem](#), on page 1897
- [show running-config eigrp](#), on page 1898
- [show running-config eltm](#), on page 1899
- [show running-config epbr](#), on page 1900
- [show running-config evb](#), on page 1901
- [show running-config exclude](#), on page 1902
- [show running-config expand-port-profile](#), on page 1903
- [show running-config fabric forwarding](#), on page 1904
- [show running-config fabric multicast](#), on page 1905
- [show running-config fabricpath](#), on page 1906
- [show running-config fabricpath domain default](#), on page 1907
- [show running-config fabricpath switch-id](#), on page 1908
- [show running-config fabricpath topology](#), on page 1909
- [show running-config fcoe_mgr](#), on page 1910
- [show running-config fsync_mgr](#), on page 1911
- [show running-config hardware-telemetry](#), on page 1912
- [show running-config hsrp](#), on page 1913
- [show running-config icmpv6](#), on page 1914
- [show running-config igmp](#), on page 1915
- [show running-config imp](#), on page 1916
- [show running-config interface](#), on page 1917
- [show running-config interface](#), on page 1918
- [show running-config intersight](#), on page 1919
- [show running-config ip](#), on page 1920
- [show running-config ipqos](#), on page 1921
- [show running-config ipv6](#), on page 1922
- [show running-config isis](#), on page 1923
- [show running-config l3vm](#), on page 1924
- [show running-config ldap](#), on page 1925
- [show running-config license](#), on page 1926
- [show running-config lisp](#), on page 1927
- [show running-config lldp](#), on page 1928
- [show running-config lpss](#), on page 1929
- [show running-config macsec](#), on page 1930
- [show running-config mdns](#), on page 1931
- [show running-config mfwd](#), on page 1932
- [show running-config mfwdv6](#), on page 1933
- [show running-config mld](#), on page 1934

- [show running-config mmode](#), on page 1935
- [show running-config monitor](#), on page 1936
- [show running-config mpls static](#), on page 1937
- [show running-config mpls strip](#), on page 1938
- [show running-config msdp](#), on page 1939
- [show running-config nat](#), on page 1940
- [show running-config nbm](#), on page 1941
- [show running-config ngoam](#), on page 1942
- [show running-config ntp](#), on page 1943
- [show running-config nv overlay](#), on page 1944
- [show running-config nxsdk](#), on page 1945
- [show running-config ofm](#), on page 1946
- [show running-config openconfig](#), on page 1947
- [show running-config ospf](#), on page 1948
- [show running-config ospfv3](#), on page 1949
- [show running-config otv-isis](#), on page 1950
- [show running-config param-list](#), on page 1951
- [show running-config pim](#), on page 1952
- [show running-config pim6](#), on page 1953
- [show running-config poe](#), on page 1954
- [show running-config port-profile](#), on page 1955
- [show running-config port-security](#), on page 1956
- [show running-config ptp](#), on page 1957
- [show running-config radius](#), on page 1958
- [show running-config rip](#), on page 1959
- [show running-config routing ip multicast](#), on page 1960
- [show running-config routing ipv6 multicast](#), on page 1961
- [show running-config rpm](#), on page 1962
- [show running-config scheduler](#), on page 1963
- [show running-config section](#), on page 1964
- [show running-config security](#), on page 1965
- [show running-config segment-routing](#), on page 1966
- [show running-config service-reflect](#), on page 1967
- [show running-config services](#), on page 1968
- [show running-config services](#), on page 1969
- [show running-config sflow](#), on page 1970
- [show running-config sla responder](#), on page 1971
- [show running-config sla sender](#), on page 1972
- [show running-config sla twamp-server](#), on page 1973
- [show running-config snmp](#), on page 1974
- [show running-config spanning-tree](#), on page 1975
- [show running-config srte](#), on page 1976
- [show running-config storm-control](#), on page 1977
- [show running-config switch](#), on page 1978
- [show running-config syncce](#), on page 1979
- [show running-config tacacs](#), on page 1980

- [show running-config telemetry](#), on page 1981
- [show running-config track](#), on page 1982
- [show running-config tunnel-encryption](#), on page 1983
- [show running-config udd](#), on page 1984
- [show running-config vdc-all](#), on page 1985
- [show running-config vdc](#), on page 1986
- [show running-config virtual-service](#), on page 1987
- [show running-config vlan](#), on page 1988
- [show running-config vlan](#), on page 1989
- [show running-config vlan](#), on page 1990
- [show running-config vmtracker](#), on page 1991
- [show running-config vpc](#), on page 1992
- [show running-config vrf](#), on page 1993
- [show running-config vrf default](#), on page 1994
- [show running-config vrrp](#), on page 1995
- [show running-config vrrpv3](#), on page 1996
- [show running-config vshd](#), on page 1997
- [show running-config vtp](#), on page 1998
- [show running-config wwnm](#), on page 1999
- [show running-config zone](#), on page 2000
- [show running-config zone vsan](#), on page 2001

show radius-cfs

show radius-cfs

Syntax Description

show	Show running system information
radius-cfs	Show radius cfs state

Command Mode

- /exec

show radius-server

show radius-server

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information

Command Mode

- /exec

show radius-server

show radius-server { <host> }

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
<i>host</i>	DNS name or IP address

Command Mode

- /exec

show radius-server directed-request

show radius-server directed-request

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
directed-request	Show directed server enable configuration

Command Mode

- /exec

show radius-server groups

show radius-server groups [<s0>]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
groups	Show RADIUS server group configuration information
s0	(Optional) RADIUS server group name

Command Mode

- /exec

show radius-server sorted

show radius-server sorted

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
sorted	Show RADIUS servers sorted by name

Command Mode

- /exec

show radius-server statistics

show radius-server statistics <host0>

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
statistics	Show RADIUS statistics
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show radius status

show radius status

Syntax Description

show	Show running system information
radius	Show RADIUS Information
status	Show RADIUS cfs distribution status

Command Mode

- /exec

show redundancy status

show redundancy status

Syntax Description

show	
redundancy	Show system redundancy status
status	Current redundancy status

Command Mode

- /exec

show regexp

```
show { ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 { unicast | multicast } ] } regexp <regexp-str> [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
<i>regexp-str</i>	Regular expression to match the AS paths

Command Mode

- /exec

show reload

show reload

Syntax Description

show	Show running system information
reload	Display information about scheduled reload

Command Mode

- /exec

show resource

show resource [<res-mgr-res-known-name>] [hidden-too | with-flags]

Syntax Description

show	Show running system information
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name
hidden-too	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
with-flags	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show rmon

show rmon { alarms | events | hcalarms | info | logs }

Syntax Description

show	Show running system information
rmon	Display RMON statistics
alarms	Display the RMON alarm table
events	Display the RMON event table
hcalarms	Display the RMON HC(High Capacity) Alarm table
info	Display the RMON info
logs	Display the RMON event log table

Command Mode

- /exec

show role

show role [name <arg3>]

Syntax Description

show	Show running system information
role	Show role configuration
name	(Optional) Enter the role name
<i>arg3</i>	(Optional) Enter the role name

Command Mode

- /exec

show role feature-group

show role feature-group [name <arg4>] [detail]

Syntax Description

show	Show running system information
role	Show role configuration
feature-group	Role feature group
name	(Optional) Enter the feature-group name
<i>arg4</i>	(Optional) Feature-group name
detail	(Optional) Detailed information including feature rules

Command Mode

- /exec

show role feature

show role feature [name <arg5> | detail]

Syntax Description

show	Show running system information
role	Show role configuration
feature	Role feature
name	(Optional) Enter the feature name
<i>arg5</i>	(Optional) Feature name
detail	(Optional) Detailed information including feature rules

Command Mode

- /exec

show role status

show role status

Syntax Description

show	Show running system information
role	Show role configuration
status	Display role status

Command Mode

- /exec

show rollback log exec

show rollback log { exec | verify }

Syntax Description

show	Show running system information
rollback	Show rollback
log	show rollback log
exec	show rollback execution log
verify	show rollback verify log

Command Mode

- /exec

show rollback status

show rollback status

Syntax Description

show	Show running system information
rollback	show rollback
status	show status of last rollback operation

Command Mode

- /exec

show route-map

show route-map [<route-map-name> | <route-map-cfg-name>]

Syntax Description

show	Show running system information
route-map	Route-map information
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name

Command Mode

- /exec

show route-map brief

show route-map [<route-map-name> | <route-map-cfg-name>] brief

Syntax Description

show	Show running system information
route-map	Route-map information
brief	Show client list that uses this route-map
<i>route-map-name</i>	(Optional) Route-map name
<i>route-map-cfg-name</i>	(Optional) Known route-map name

Command Mode

- /exec

show route-map dynamic

show route-map dynamic [<route-map-name>]

Syntax Description

show	Show running system information
route-map	Route-map information
dynamic	Dynamically created route-map
<i>route-map-name</i>	(Optional) Route-map name

Command Mode

- /exec

show route-map pbr-statistics

```
show route-map { <pbr_rmap_name> | <pbr_rmap_cfg_name> } pbr-statistics
```

Syntax Description

show	Show running system information
route-map	Route-map information
<i>pbr_rmap_name</i>	Route-map name
<i>pbr_rmap_cfg_name</i>	Known route-map name
pbr-statistics	PBR statistics

Command Mode

- /exec

show router-guard

```
show router-guard [ vlan <vlan_id> ]
```

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID

Command Mode

- /exec

show router-guard

```
show router-guard [ vlan <vlan_id> ]
```

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
<i>vlan_id</i>	(Optional) VLAN ID

Command Mode

- /exec

show routing-context

show routing-context

Syntax Description

show	Show running system information
routing-context	Display the current routing context

Command Mode

- /exec

show routing

```
show routing [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ip-addr> | {
<ip-prefix> [ { longer-prefixes | shorter-prefixes } ] } ] [ { <protocol> [ all ] } | { bind-label <bind-lbl> |
next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [ since <stime>
] [ until <utime> ] } } ] + [ summary [ cached ] | detail [ full ] | summary-counter-consistency-check ] [ vrf {
<vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
<i>topology-name</i>	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
<i>ip-addr</i>	(Optional) Display single route longest match lookup
<i>ip-prefix</i>	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths \geq prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths \leq prefix
<i>protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
<i>next-hop</i>	(Optional) Next hop address

next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in detail (condensed when more than 1000 routes)
full	(Optional) Display routes in full detail
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing clients

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] clients [ <client> | <protocol> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
clients	Display urib client information
<i>client</i>	(Optional) Display single urib client information
<i>protocol</i>	(Optional) Display single urib client information

Command Mode

- /exec

show routing hash

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] hash <source> <dest> [ ip-proto <ip-proto> ] { [ gtpu-teid <gtpu-teid> ] } | { [ ttl [ <ttl>
[ dest-port <dest-port> ] ] ] } | { [ udf <value> length <length> [ dest-port <dest-port> ] ] } | { [ <src-port>
<dest-port> ] } } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name>
| <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hash	Display load-balancing hash information
<i>source</i>	Source IPv4 address of unicast flow or group address for multicast flow
<i>dest</i>	Destination IPv4 address of unicast flow or source address for multicast flow
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only
<i>in-interface</i>	(Optional) Interface Name
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
gtpu-teid	(Optional) GTPu TEID for the packet
<i>gtpu-teid</i>	(Optional) GTPu TEID for the packet

<code>ttl</code>	(Optional) TTL value for the packet
<i>ttl</i>	(Optional) TTL value for the packet
<code>udf</code>	(Optional) UDF information for the packet
<i>value</i>	(Optional) UDF value for the packet
<code>length</code>	(Optional) Length in bits from udf offset
<i>length</i>	(Optional) Enter Length in bits from udf offset
<code>dest-port</code>	(Optional) Destination-port
<i>dest-port</i>	(Optional) Destination-port
<code>module</code>	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing hidden-nh

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] hidden-nh
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information

Command Mode

- /exec

show routing ipv6

```
show routing ipv6 [ unicast ] [ topology <topology-name> ] [ l3vm-info ] [ rpf ] [ <ipv6-addr> | { <ipv6-prefix>
[ { longer-prefixes | shorter-prefixes } ] } ] [ { <ipv6-protocol> [ all ] } | { bind-label <bind-lbl> | next-hop
<next-hop> } | { interface <interface> } | { updated { [ since <stime> ] [ until <utime> ] } } ] + [ summary [
cached ] | summary-counter-consistency-check | { [ detail ] [ deleted ] } ] [ vrf { <vrf-name> |
<vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
vrf	(Optional) Display 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
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
l3vm-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
<i>ipv6-protocol</i>	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only
<i>bind-lbl</i>	(Optional) Binding label
<i>srv6-funct</i>	(Optional) Srv6 function
next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
<i>interface</i>	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time

since	(Optional) Display those routes updated since this time
<i>stime</i>	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
<i>utime</i>	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
cached	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
summary-counter-consistency-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
deleted	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
detail	(Optional) Display routes in full detail

Command Mode

- /exec

show routing ipv6 clients

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] clients [ <client> | <ipv6-protocol> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
clients	Display u6rib client information
<i>client</i>	(Optional) Display single u6rib client information
<i>ipv6-protocol</i>	(Optional) Display single u6rib client information

Command Mode

- /exec

show routing ipv6 hash

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] hash [ mpls <ipv6-prefix> [ eos ] ] <source> <dest> [ ip-proto <ip-proto> ] { [ ipv6-flowlabel <ipv6-flowlabel> ] } { [ <src-port> <dest-port> ] } { [ ttl <ttl> [ dest-port <dest-port> ] ] } { [ udf <value> length <length> [ dest-port <dest-port> ] ] } { [ gtpu-teid <gtpu-teid> ] } [ in-interface <in-interface> ] [ module <module-id> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hash	Display load-balancing hash information
mpls	(Optional) MPLS path load-balancing hash information
eos	(Optional) Set End-of-Stack to 1
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
ipv6-flowlabel	(Optional) Flow label in the IPV6 packet
<i>ipv6-flowlabel</i>	(Optional) Flow label in the IPV6 packet
<i>src-port</i>	(Optional) Source-port
<i>dest-port</i>	(Optional) Destination-port
ttl	(Optional) TTL value for the packet
<i>ttl</i>	(Optional) TTL value for the packet
udf	(Optional) UDF information for the packet
<i>value</i>	(Optional) UDF value for the packet

length	(Optional) Length in bits from udf offset
<i>length</i>	(Optional) Enter Length in bits from udf offset
dest-port	(Optional) Destination-port
<i>dest-port</i>	(Optional) Destination-port
gtpu-teid	(Optional) GTPu TEID for the packet
<i>gtpu-teid</i>	(Optional) GTPu TEID for the packet
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only.
<i>in-interface</i>	(Optional) Interface Name
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing ipv6 hidden-nh

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] hidden-nh
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
hidden-nh	Display hidden next-hop information

Command Mode

- /exec

show routing ipv6 memory estimate

show routing ipv6 [unicast] memory estimate [routes <route-count> next-hops <nh-count>] [labels]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
memory	Display u6rib memory information
estimate	Display u6rib memory estimate
routes	(Optional) Display u6rib memory estimate for # routes
<i>route-count</i>	(Optional) Number of routes
next-hops	(Optional) Display u6rib memory estimate for # next-hops per route
<i>nh-count</i>	(Optional) Number of next-hops per route
labels	(Optional) When the routes are associated with next hop labels

Command Mode

- /exec

show routing ipv6 memory statistics

show routing ipv6 [unicast] memory statistics

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
memory	Display u6rib memory information
statistics	Display u6rib memory statistics

Command Mode

- /exec

show routing ipv6 multicast bandwidth

show routing ipv6 multicast bandwidth [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
bandwidth	High priority flow bw in kbps
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

show routing ipv6 multicast clients

show routing ipv6 multicast clients [<client-name>] [detail]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
clients	Display multicast routing client information
<i>client-name</i>	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes

Command Mode

- /exec

show routing ipv6 multicast lisp encap

```
{ show routing ipv6 multicast lisp encap }
```

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
lisp	LISP related information
encap	All the encap indices

Command Mode

- /exec

show routing ipv6 multicast mdt encapsulation

show routing ipv6 multicast mdt encapsulation [detail] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed 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

show routing ipv6 multicast memory estimate

show routing ipv6 multicast memory estimate [groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count> [mdt-encap-entries <encap-entry-count>]]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
<i>group-count</i>	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
<i>source-count</i>	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
<i>oif-count</i>	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
<i>encap-entry-count</i>	(Optional) Number of mdt encap entries

Command Mode

- /exec

show routing ipv6 multicast sr

show routing ipv6 multicast sr [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
sr	Service Reflect Rules
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

show routing ipv6 nhlfe

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] nhlfe [ stats ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
nhlfe	Display NHLFE db
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing ipv6 recursive-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] ipv6 [ unicast ] [ topology <topology-name> ] recursive-next-hop [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	Display IPv6 information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
recursive-next-hop	Display recursive next-hop table

Command Mode

- /exec

show routing memory estimate

```
show routing [ ip | ipv4 ] [ unicast ] memory estimate [ routes <route-count> [ next-hops <nh-count>
<nh-unique> ] [ next-hops-v6 <nh6-count> <nh6-unique> ] [ next-hops-srte <srte-count> <srte-unique> ] ] [
labels ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
estimate	Display urib memory estimate
routes	(Optional) Display urib memory estimate for # routes
<i>route-count</i>	(Optional) Number of routes
next-hops	(Optional) Display urib memory estimate for # next-hops per route
<i>nh-count</i>	(Optional) Number of next-hops per route
<i>nh-unique</i>	(Optional) Number of unique next-hops (between 1 and route-count*nh-count)
next-hops-v6	(Optional) Display urib memory estimate for # V6 next-hops per route
<i>nh6-count</i>	(Optional) Number of V6 next-hops per route
<i>nh6-unique</i>	(Optional) Number of unique V6 next-hops (between 1 and route-count*nh6-count)
next-hops-srte	(Optional) Display urib memory estimate for # srte next-hops per route
<i>srte-count</i>	(Optional) Number of srte next-hops per route
<i>srte-unique</i>	(Optional) Number of unique srte next-hops (between 1 and route-count*srte-count)
labels	(Optional) When the routes are associated with next hop labels

Command Mode

- /exec

show routing memory statistics

```
show routing [ ip | ipv4 ] [ unicast ] memory statistics [ debug ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
statistics	Display urib memory statistics
debug	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing multicast clients

show routing [ip | ipv4] multicast clients [<client-name>] [detail]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
clients	Display multicast routing client information
<i>client-name</i>	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes

Command Mode

- /exec

show routing multicast lisp encap

```
{ show routing [ ip | ipv4 ] multicast lisp encap }
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
lisp	LISP related information
encap	All the encap indices

Command Mode

- /exec

show routing multicast mdt encapsulation

```
show routing [ ip | ipv4 ] multicast mdt encapsulation [ detail ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed 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

show routing multicast memory estimate

show routing [ip | ipv4] multicast memory estimate [groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count> [mdt-encap-entries <encap-entry-count>]]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
<i>group-count</i>	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
<i>source-count</i>	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
<i>oif-count</i>	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
<i>encap-entry-count</i>	(Optional) Number of mdt encap entries

Command Mode

- /exec

show routing multicast sr

show routing [ip | ipv4] multicast sr [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
sr	Service Reflect Rules
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

show routing nhlfe

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] nhlfe [ stats ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>topology-name</i>	(Optional) topology name
nhlfe	Display URIB NHLFE db
stats	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show routing recursive-next-hop

```
show routing [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ ip | ipv4 ] [ unicast ] [ topology
<topology-name> ] recursive-next-hop [ <ip-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display 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	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
recursive-next-hop	Display recursive next-hop table
<i>topology-name</i>	(Optional) topology name
<i>ip-addr</i>	(Optional) Display single recursive virtual next-hop

Command Mode

- /exec

show routing vxlan-hash peer-ip

```
show routing vxlan-hash peer-ip <peer-ip> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip> <inner-dst-ip>
] [ <inner-src-ip6> <inner-dst-ip6> ] [ ip-proto <ip-proto> ] [ <inner-src-port> <inner-dst-port> ] [ module
<module-id> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vxlan-hash	Display load-balancing information for vxlan
peer-ip	Peer IP address
<i>peer-ip</i>	Peer IP
<i>inner-src-mac</i>	Inner Source MAC Address
<i>inner-dst-mac</i>	Inner Destination MAC Address
<i>inner-src-ip</i>	(Optional) Inner Source IP
<i>inner-dst-ip</i>	(Optional) Inner Destination IP
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
<i>inner-src-port</i>	(Optional) Inner Source-port
<i>inner-dst-port</i>	(Optional) Inner Destination-port
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show routing vxlan-hash peer-ipv6

```
show routing vxlan-hash peer-ipv6 <peer-ipv6> <inner-src-mac> <inner-dst-mac> [ <inner-src-ip>
<inner-dst-ip> ] [ <inner-src-ip6> <inner-dst-ip6> ] [ ip-proto <ip-proto> ] [ <inner-src-port> <inner-dst-port>
] [ module <module-id> ]
```

Syntax Description

show	Show running system information
routing	Display routing information
vxlan-hash	Display load-balancing information for vxlan
peer-ipv6	Peer IPv6 address
<i>inner-src-mac</i>	Inner Source MAC Address
<i>inner-dst-mac</i>	Inner Destination MAC Address
<i>inner-src-ip</i>	(Optional) Inner Source IP
<i>inner-dst-ip</i>	(Optional) Inner Destination IP
ip-proto	(Optional) IP Protocol information for the packet
<i>ip-proto</i>	(Optional) IP Protocol information for the packet
<i>inner-src-port</i>	(Optional) Inner Source-port
<i>inner-dst-port</i>	(Optional) Inner Destination-port
module	(Optional) Module
<i>module-id</i>	(Optional) Module

Command Mode

- /exec

show rscn event-tov vsan

show rscn event-tov vsan <i0>

Syntax Description

show	Show running system information
event-tov	show event time out value
vsan	show event time out value
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn pending-diff vsan

show rscn pending-diff vsan <i0>

Syntax Description

show	Show running system information
pending-diff	show difference b/w pending and active configuration
vsan	show difference b/w pending and active configuration
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn pending vsan

show rscn pending vsan <i0>

Syntax Description

show	Show running system information
pending	show pending configuration
vsan	show pending configuration
<i>i0</i>	VSAN id

Command Mode

- /exec

show rscn scr-table

show rscn scr-table [vsan <i0>]

Syntax Description

show	Show running system information
scr-table	show State Change Registration table
vsan	(Optional) show table for given vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show rscn session status vsan

show rscn session status vsan <i0>

Syntax Description

show	Show running system information
session	show rscn session status
status	show rscn session status
vsan	show internals for session history
<i>i0</i>	VSAN id range

Command Mode

- /exec

show rscn statistics

```
show rscn statistics { [ vsan <i0> ] | detail [ vsan <i1> ] }
```

Syntax Description

show	Show running system information
statistics	show RSCN Statistics
vsan	(Optional) show statistics for given vsan
<i>i0</i>	(Optional) VSAN id range
detail	show statistics for each type of RSCN
vsan	(Optional) show statistics for given vsan
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show running-config

show running-config [sanitized]

Syntax Description

show	Show running system information
running-config	Current operating configuration
sanitized	(Optional) Current operating configuration with sensitive information (passwords) removed

Command Mode

- /exec

show running-config aaa

show running-config aaa [all]

Syntax Description

show	show running-cfg
running-config	show running system information
aaa	Display aaa configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config aclmgr

show running-config aclmgr [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
aclmgr	show running config for aclmgr
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config adjmgr

show running-config adjmgr [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config all

show running-config all [sanitized]

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	Current operating configuration with defaults
sanitized	(Optional) Current operating configuration including defaults with sensitive information (passwords) removed

Command Mode

- /exec

show running-config app-hosting

show running-config app-hosting

Syntax Description

show	Show running system information
running-config	Current operating configuration
app-hosting	show running config for app-hosting

Command Mode

- /exec

show running-config arp

show running-config arp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config assoc

show running-config assoc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
assoc	Original ID to Translated ID Association
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config backup

show running-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
backup	Show running config for Switchport Backup
flexlink	Show running config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show running-config bfd

show running-config bfd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
bfd	show running config for bfd
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config bgp

show running-config bgp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config bloggerd

show running-config bloggerd [all]

Syntax Description

show	show running-cfg
running-config	show running system information
bloggerd	Display bloggerd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config callhome

show running-config callhome [all]

Syntax Description

show	show running-cfg
running-config	show running system information
callhome	Display callhome configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cdp

show running-config cdp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cdp	Display cdp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cert-enroll

show running-config cert-enroll [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cert-enroll	Display certificates configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cfs

show running-config cfs [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config clock_manager

show running-config clock_manager [all]

Syntax Description

running-config	Current operating configuration
clock_manager	show running config for clock manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config config-profile

show running-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
config-profile	Display port-profile configuration
<i>all_conf_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config controller

show running-config controller

Syntax Description

show	Show running system information
running-config	Current operating configuration
controller	controller

Command Mode

- /exec

show running-config copp

show running-config copp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
copp	Control-Plane Policing
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cryptopqc

show running-config cryptopqc [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
cryptopqc	Display cryptopqc configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config dhcp

show running-config dhcp [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config diagnostic

show running-config diagnostic [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diagnostic	Display diagnostic information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config diff

show running-config diff [unified]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diff	Show the difference between running and startup configuration in context format
unified	(Optional) Show the difference between running and startup configuration in unified format

Command Mode

- /exec

show running-config dot1x

show running-config dot1x [all]

Syntax Description

show	show running-cfg
running-config	show running system information
dot1x	Display dot1x configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ecp

show running-config ecp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config eem

show running-config eem

Syntax Description

show	Show running system information
running-config	Show the system running configuration
eem	Show the event manager running configuration

Command Mode

- /exec

show running-config eigrp

show running-config eigrp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config eltm

show running-config eltm

Syntax Description

show	Show running system information
running-config	Current operation configuration
eltm	Display eltm configurations

Command Mode

- /exec

show running-config epbr

show running-config epbr

Syntax Description

show	show running-cfg
running-config	show running system information
epbr	epbr

Command Mode

- /exec

show running-config evb

show running-config evb [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config exclude

show running-config exclude <feature-list> +

Syntax Description

show	Show running system information
running-config	Current operating configuration
exclude	Exclude running configuration of specified features
<i>feature-list</i>	Exclude features

Command Mode

- /exec

show running-config expand-port-profile

show running-config expand-port-profile

Syntax Description

show	Show running system information
running-config	Current operating configuration
expand-port-profile	Expand port profile

Command Mode

- /exec

show running-config fabric forwarding

show running-config fabric forwarding [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabric multicast

show running-config fabric multicast [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabricpath

show running-config fabricpath [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabricpath	fabricpath information
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config fabricpath domain default

show running-config fabricpath domain default [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabricpath switch-id

show running-config fabricpath switch-id [all]

Syntax Description

running-config	Current operating configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config fabricpath topology

show running-config fabricpath topology [all]

Syntax Description

show	Show running system information
running-config	Current operationng configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fcoe_mgr

show running-config fcoe_mgr [all]

Syntax Description

show	show running-cfg
running-config	show running system information
fcoe_mgr	Display fcoe_mgr configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config fsync_mgr

```
show running-config fsync_mgr [ all ]
```

Syntax Description

show	Show running system information
running-config	Current operating configuration
fsync_mgr	Frequency Synchronization Manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hardware-telemetry

show running-config hardware-telemetry [all]

Syntax Description

running-config	Current operating configuration
hardware-telemetry	show running config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hsrp

show running-config hsrp [all]

Syntax Description

show	Show system information
running-config	System running configuration
hsrp	HSRP running configuration
all	(Optional) Show HSRP running configuration defaults

Command Mode

- /exec

show running-config icmpv6

show running-config icmpv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config igmp

show running-config igmp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config imp

show running-config imp [all]

Syntax Description

show	Show system information
running-config	System running configuration
imp	IMP running configuration
all	(Optional) Show IMP running configuration defaults

Command Mode

- /exec

show running-config interface

show running-config interface [<if0>] [all] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
<i>if0</i>	(Optional) interface type and number in module/slot format
all	(Optional) show running config with defaults
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config interface

show running-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config intersight

show running-config intersight

Syntax Description

show	Show running system information
running-config	Current operation configuration
intersight	Display intersight configurations

Command Mode

- /exec

show running-config ip

show running-config ip [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ipqos

show running-config ipqos [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config ipv6

show running-config ipv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config isis

show running-config isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config l3vm

show running-config l3vm [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ldap

show running-config ldap [all]

Syntax Description

show	show running-cfg
running-config	show running system information
ldap	Display ldap configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config license

show running-config license [all]

Syntax Description

show	show
running-config	show running system information
license	Display licensing configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config lisp

show running-config lisp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config lldp

show running-config lldp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
lldp	Display lldp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config lpss

show running-config lpss

Syntax Description

show	Show system information
running-config	Show running system information
lpss	Display Light weight Persistent Storage configuration

Command Mode

- /exec

show running-config macsec

show running-config macsec

Syntax Description

show	Show running system information
running-config	Current operating configuration
macsec	Show CTS information

Command Mode

- /exec

show running-config mdns

show running-config mdns [all]

Syntax Description

show	Show running system information
running-config	Show running system information
mdns	Display MDNS information
all	(Optional) Current operating configuration with defaults

Command Mode

- /exec

show running-config mfwd

show running-config { mfwd | mcastfwd } [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mcastfwd	Display MCASTFWD information
mfwd	Display MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mfwdv6

show running-config { mfwdv6 | mcastfwdv6 } [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mcastfwdv6	Display IPV6 MCASTFWD information
mfwdv6	Display IPV6 MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mld

show running-config mld [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
mld	Display MLD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config mmode

show running-config mmode [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
mmode	Display maintenance mode running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config monitor

show running-config monitor [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
monitor	Configure Ethernet SPAN sessions
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config mpls static

show running-config mpls static [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show running-config mpls strip

show running-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
running-config	System running configuration
all	(Optional) Show running configuration for STRIPCL with defaults

Command Mode

- /exec

show running-config msdp

show running-config msdp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config nat

show running-config nat [all]

Syntax Description

show	show running-cfg
running-config	show running system information
nat	Display NAT configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config nbm

show running-config nbm

Syntax Description

show	Show running system information
running-config	Current operating configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show running-config ngoam

show running-config ngoam [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ngoam	ngoam configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config ntp

show running-config ntp [all]

Syntax Description

show	Show information
running-config	Show running system configuration
ntp	Show NTP information
all	(Optional) Show all NTP running configuration

Command Mode

- /exec

show running-config nv overlay

show running-config nv overlay [all]

Syntax Description

show	Show system information
running-config	System running configuration
nv	NVE running configuration
overlay	NVE running configuration
all	(Optional) Show NVE running configuration defaults

Command Mode

- /exec

show running-config nxsdk

show running-config nxsdk [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ofm

show running-config ofm [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ofm	Display Overlay Flow/Policy Manager information
all	(Optional) Current operating configuration with defaults

Command Mode

- /exec

show running-config openconfig

show running-config openconfig [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
openconfig	OpenConfig Model Service App
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ospf

show running-config ospf [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ospfv3

show running-config ospfv3 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config otv-isis

show running-config otv-isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config param-list

show running-config param-list [<plistname>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
param-list	Display param-list configuration
<i>plistname</i>	(Optional) Enter the name of the param list

Command Mode

- /exec

show running-config pim

show running-config pim [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config pim6

show running-config pim6 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config poe

show running-config poe [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
poe	Power over Ethernet
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config port-profile

show running-config port-profile [<all_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
port-profile	Display port-profile configuration
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config port-security

show running-config port-security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ptp

show running-config ptp [all]

Syntax Description

running-config	Current operating configuration
ptp	show running config for ptp
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config radius

show running-config radius [all]

Syntax Description

show	show running-cfg
running-config	show running system information
radius	Display radius configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config rip

show running-config rip [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ip multicast

show running-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ipv6 multicast

show running-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config rpm

show running-config rpm [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config scheduler

show running-config scheduler [all]

Syntax Description

show	show running-cfg
running-config	show running system information
scheduler	Show scheduler config or data
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config section

show running-config section <section>

Syntax Description

show	Show running system information
running-config	Current operating configuration
section	show only a particular section of running-config (in format needed for 'merge config' command)
<i>section</i>	the section to show, a regular expression, (use a dot for a space)

Command Mode

- /exec

show running-config security

show running-config security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
security	Display security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config segment-routing

show running-config segment-routing [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
segment-routing	Display segment-routing running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config service-reflect

show running-config service-reflect

Syntax Description

show	Show running system information
running-config	Current operationg configuration
service-reflect	Display NAT feature service-reflect commands

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config sflow

show running-config sflow [all]

Syntax Description

running-config	Current operating configuration
sflow	show running config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config sla responder

show running-config sla responder

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show running-config sla sender

show running-config sla sender

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show running-config sla twamp-server

show running-config sla twamp-server

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
twamp-server	Show IPSLA IPPM TWAMP server configuration

Command Mode

- /exec

show running-config snmp

show running-config snmp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config spanning-tree

show running-config spanning-tree [<all> | interface <interface_range>]

Syntax Description

show	Show running system information
running-config	Current operating configuration
spanning-tree	Show spanning tree information
<i>all</i>	(Optional)
interface	(Optional) Specify an interface as a target for the command
<i>interface_range</i>	(Optional)

Command Mode

- /exec

show running-config srte

show running-config srte

Syntax Description

show	Show running system information
running-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show running-config storm-control

show running-config storm-control

Syntax Description

show	Show running system information
running-config	Current operating configuration
storm-control	show config for storm-control

Command Mode

- /exec

show running-config switch

show running-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
running-config	Current operating configuration
switch-profile	Show switch-profile information
include-switch-profile	Show running and switch-profile configuration

Command Mode

- /exec

show running-config sync

show running-config sync [all]

Syntax Description

running-config	Current operating configuration
sync	show running config for sync
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config tacacs

show running-config tacacs + [all]

Syntax Description

show	show running-cfg
running-config	show running system information
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config telemetry

show running-config telemetry [all]

Syntax Description

show	show running system configuration
running-config	Current operating configuration
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config track

show running-config track [all]

Syntax Description

show	Show running system information
running-config	Show the system running information
track	Show track running configuration
all	(Optional) Show track running configuration defaults

Command Mode

- /exec

show running-config tunnel-encryption

show running-config tunnel-encryption

Syntax Description

show	Show running system information
running-config	Current operating configuration
tunnel-encryption	Show information about Tunnel Encryption Manager

Command Mode

- /exec

show running-config udd

show running-config udd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
udd	Show udd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vdc-all

show running-config vdc-all [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc-all	Display config from all VDC
all	(Optional) Display config from all VDC including defaults

Command Mode

- /exec

show running-config vdc

show running-config vdc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc	Show Virtual Device Contexts
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config virtual-service

show running-config virtual-service

Syntax Description

show	Show running system information
running-config	Current operating configuration
virtual-service	Show running config for virtualization services

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan

show running-config vlan

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands

Command Mode

- /exec

show running-config vmtracker

show running-config vmtracker [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vmtracker	show running config for vmtracker
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vpc

show running-config vpc [all]

Syntax Description

running-config	Current operating configuration
vpc	show running config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrf

show running-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
<i>vrf-cfg-name</i>	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrf default

show running-config vrf default [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrrp

show running-config vrrp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrp	Display VRRP running configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrrpv3

show running-config vrrpv3 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrpv3	Show running config for VRRPv3
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vshd

show running-config vshd

Syntax Description

show	Show running system information
running-config	Current operating configuration
vshd	Show running config for vshd

Command Mode

- /exec

show running-config vtp

show running-config vtp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vtp	Show running configuration for VTP
all	(Optional) Show running configuration for VTP with defaults

Command Mode

- /exec

show running-config wwnm

show running-config wwnm

Syntax Description

show	Show running system information
running-config	Current running configuration
wwnm	Display WWN Manager running configuration

Command Mode

- /exec

show running-config zone

show running-config zone

Syntax Description

show	Show running system information
running-config	Current operating configuration
zone	Display zone server running configuration

Command Mode

- /exec

show running-config zone vsan

show running-config zone vsan <vsan-id>

Syntax Description

show	Show running system information
running-config	Current operating configuration
zone	Display zone server running configuration per vsan
vsan	Vsan commands
<i>vsan-id</i>	Vsan id

Command Mode

- /exec

show running-config zone vsan



S Show Commands

- [show san-port-channel compatibility-parameters](#), on page 2009
- [show san-port-channel consistency](#), on page 2010
- [show san-port-channel consistency detail](#), on page 2011
- [show san-port-channel database](#), on page 2012
- [show san-port-channel summary](#), on page 2013
- [show san-port-channel usage](#), on page 2014
- [show scheduler config](#), on page 2015
- [show scheduler job](#), on page 2016
- [show scheduler logfile](#), on page 2017
- [show scheduler schedule](#), on page 2018
- [show security-group](#), on page 2019
- [show segment-routing](#), on page 2020
- [show segment-routing clients](#), on page 2021
- [show segment-routing ipv4 connected-prefix-sid-map](#), on page 2022
- [show segment-routing mpls](#), on page 2023
- [show segment-routing mpls clients](#), on page 2024
- [show segment-routing mpls ipv4 connected-prefix-sid-map](#), on page 2025
- [show sflow](#), on page 2026
- [show sflow statistics](#), on page 2027
- [show snapshots](#), on page 2028
- [show snapshots compare](#), on page 2029
- [show snapshots compare ipv4routes](#), on page 2030
- [show snapshots compare ipv6routes](#), on page 2031
- [show snapshots compare summary](#), on page 2032
- [show snapshots dump](#), on page 2033
- [show snapshots dump](#), on page 2034
- [show snapshots sections](#), on page 2035
- [show snmp](#), on page 2036
- [show snmp community](#), on page 2037
- [show snmp context](#), on page 2038
- [show snmp engineID](#), on page 2039
- [show snmp group](#), on page 2040
- [show snmp host](#), on page 2041

- [show snmp nms-statistics](#), on page 2042
- [show snmp oid-statistics](#), on page 2043
- [show snmp sessions](#), on page 2044
- [show snmp source-interface](#), on page 2045
- [show snmp trap](#), on page 2046
- [show snmp user](#), on page 2047
- [show sockets client](#), on page 2048
- [show sockets connection](#), on page 2049
- [show sockets local-port-range](#), on page 2050
- [show sockets ns-port-kiosk](#), on page 2051
- [show sockets statistics](#), on page 2052
- [show sockets tcp keychain binding](#), on page 2053
- [show software authenticity file](#), on page 2054
- [show software authenticity keys](#), on page 2055
- [show spanning-tree](#), on page 2056
- [show spanning-tree blockedports](#), on page 2057
- [show spanning-tree bridge](#), on page 2058
- [show spanning-tree inconsistentports](#), on page 2059
- [show spanning-tree interface](#), on page 2060
- [show spanning-tree interface](#), on page 2061
- [show spanning-tree issu-impact](#), on page 2062
- [show spanning-tree mst](#), on page 2063
- [show spanning-tree mst configuration](#), on page 2064
- [show spanning-tree mst configuration digest](#), on page 2065
- [show spanning-tree mst interface](#), on page 2066
- [show spanning-tree pathcost method](#), on page 2067
- [show spanning-tree root](#), on page 2068
- [show spanning-tree summary](#), on page 2069
- [show spanning-tree summary totals](#), on page 2070
- [show sprom](#), on page 2071
- [show srte pce ipv4 peer](#), on page 2073
- [show srte policy](#), on page 2074
- [show srte policy fh](#), on page 2075
- [show srte policy proactive-policy-monitoring](#), on page 2076
- [show srte policy summary](#), on page 2077
- [show srv6 clients](#), on page 2078
- [show srv6 locator](#), on page 2079
- [show srv6 manager](#), on page 2080
- [show srv6 sid](#), on page 2081
- [show srv6 sid counters](#), on page 2082
- [show ssh](#), on page 2083
- [show ssh key](#), on page 2084
- [show ssh server](#), on page 2085
- [show ssh version](#), on page 2086
- [show ssx details](#), on page 2087
- [show ssx exporter](#), on page 2088

- [show ssx monitor](#), on page 2089
- [show ssx record](#), on page 2090
- [show startup-config](#), on page 2091
- [show startup-config](#), on page 2092
- [show startup-config aaa](#), on page 2093
- [show startup-config aclmgr](#), on page 2094
- [show startup-config adjmgr](#), on page 2095
- [show startup-config app-hosting](#), on page 2096
- [show startup-config arp](#), on page 2097
- [show startup-config assoc](#), on page 2098
- [show startup-config backup](#), on page 2099
- [show startup-config bfd](#), on page 2100
- [show startup-config bgp](#), on page 2101
- [show startup-config bloggerd](#), on page 2102
- [show startup-config callhome](#), on page 2103
- [show startup-config cdp](#), on page 2104
- [show startup-config cert-enroll](#), on page 2105
- [show startup-config cfs](#), on page 2106
- [show startup-config config-profile](#), on page 2107
- [show startup-config copp](#), on page 2108
- [show startup-config cryptopqc](#), on page 2109
- [show startup-config cryptopqc](#), on page 2110
- [show startup-config dhcp](#), on page 2111
- [show startup-config diagnostic](#), on page 2112
- [show startup-config dot1x](#), on page 2113
- [show startup-config ecp](#), on page 2114
- [show startup-config eem](#), on page 2115
- [show startup-config eigrp](#), on page 2116
- [show startup-config eltm](#), on page 2117
- [show startup-config epbr](#), on page 2118
- [show startup-config evb](#), on page 2119
- [show startup-config exclude](#), on page 2120
- [show startup-config expand-port-profile](#), on page 2121
- [show startup-config fabric forwarding](#), on page 2122
- [show startup-config fabric multicast](#), on page 2123
- [show startup-config fabricpath](#), on page 2124
- [show startup-config fabricpath domain default](#), on page 2125
- [show startup-config fabricpath switch-id](#), on page 2126
- [show startup-config fabricpath topology](#), on page 2127
- [show startup-config fcoe_mgr](#), on page 2128
- [show startup-config fsync_mgr](#), on page 2129
- [show startup-config glbp](#), on page 2130
- [show startup-config hardware-telemetry](#), on page 2131
- [show startup-config hsrp](#), on page 2132
- [show startup-config icmpv6](#), on page 2133
- [show startup-config igmp](#), on page 2134

- [show startup-config imp](#), on page 2135
- [show startup-config interface](#), on page 2136
- [show startup-config interface](#), on page 2137
- [show startup-config intersight](#), on page 2138
- [show startup-config ip](#), on page 2139
- [show startup-config ipqos](#), on page 2140
- [show startup-config ipv6](#), on page 2141
- [show startup-config isis](#), on page 2142
- [show startup-config l3vm](#), on page 2143
- [show startup-config ldap](#), on page 2144
- [show startup-config license](#), on page 2145
- [show startup-config lisp](#), on page 2146
- [show startup-config lldp](#), on page 2147
- [show startup-config lpss](#), on page 2148
- [show startup-config macsec](#), on page 2149
- [show startup-config mdns](#), on page 2150
- [show startup-config mfwd](#), on page 2151
- [show startup-config mfwdv6](#), on page 2152
- [show startup-config mld](#), on page 2153
- [show startup-config mmode](#), on page 2154
- [show startup-config monitor](#), on page 2155
- [show startup-config mpls static](#), on page 2156
- [show startup-config mpls strip](#), on page 2157
- [show startup-config msdp](#), on page 2158
- [show startup-config nat](#), on page 2159
- [show startup-config nbm](#), on page 2160
- [show startup-config ngoam](#), on page 2161
- [show startup-config ntp](#), on page 2162
- [show startup-config nv overlay](#), on page 2163
- [show startup-config nxsdk](#), on page 2164
- [show startup-config ofm](#), on page 2165
- [show startup-config openconfig](#), on page 2166
- [show startup-config ospf](#), on page 2167
- [show startup-config ospfv3](#), on page 2168
- [show startup-config otv-isis](#), on page 2169
- [show startup-config param-list](#), on page 2170
- [show startup-config pim](#), on page 2171
- [show startup-config pim6](#), on page 2172
- [show startup-config poe](#), on page 2173
- [show startup-config port-profile](#), on page 2174
- [show startup-config port-security](#), on page 2175
- [show startup-config ptp](#), on page 2176
- [show startup-config radius](#), on page 2177
- [show startup-config rip](#), on page 2178
- [show startup-config routing ip multicast](#), on page 2179
- [show startup-config routing ipv6 multicast](#), on page 2180

- [show startup-config rpm](#), on page 2181
- [show startup-config scheduler](#), on page 2182
- [show startup-config security](#), on page 2183
- [show startup-config segment-routing](#), on page 2184
- [show startup-config services](#), on page 2185
- [show startup-config sflow](#), on page 2186
- [show startup-config sla responder](#), on page 2187
- [show startup-config sla sender](#), on page 2188
- [show startup-config sla twamp-server](#), on page 2189
- [show startup-config snmp](#), on page 2190
- [show startup-config srte](#), on page 2191
- [show startup-config storm-control](#), on page 2192
- [show startup-config switch](#), on page 2193
- [show startup-config syncce](#), on page 2194
- [show startup-config tacacs](#), on page 2195
- [show startup-config telemetry](#), on page 2196
- [show startup-config track](#), on page 2197
- [show startup-config tunnel-encryption](#), on page 2198
- [show startup-config udld](#), on page 2199
- [show startup-config vdc-all](#), on page 2200
- [show startup-config vdc](#), on page 2201
- [show startup-config virtual-service](#), on page 2202
- [show startup-config vlan](#), on page 2203
- [show startup-config vlan](#), on page 2204
- [show startup-config vmtracker](#), on page 2205
- [show startup-config vpc](#), on page 2206
- [show startup-config vrf](#), on page 2207
- [show startup-config vrf default](#), on page 2208
- [show startup-config vrrpv3](#), on page 2209
- [show startup-config vshd](#), on page 2210
- [show startup-config vtp](#), on page 2211
- [show startup-config wwnm](#), on page 2212
- [show startup-config zone](#), on page 2213
- [show startup-config zone vsan](#), on page 2214
- [show summary](#), on page 2215
- [show switch-profile](#), on page 2216
- [show switch-profile](#), on page 2217
- [show switch-profile buffer](#), on page 2218
- [show switch-profile peer](#), on page 2219
- [show switch-profile status](#), on page 2220
- [show switching-mode](#), on page 2221
- [show switching-mode fabric-speed](#), on page 2222
- [show system acl](#), on page 2223
- [show system auto-collect tech-support](#), on page 2224
- [show system boottime](#), on page 2225
- [show system config reload-pending](#), on page 2226

- [show system cores](#), on page 2227
- [show system default switchport](#), on page 2228
- [show system default zone](#), on page 2229
- [show system device-connector claim-info](#), on page 2230
- [show system device-connector log](#), on page 2231
- [show system error-id](#), on page 2232
- [show system exception-info](#), on page 2233
- [show system fabric-mode](#), on page 2234
- [show system fast-reload stabilization-timer](#), on page 2235
- [show system image-verification](#), on page 2236
- [show system inband cpu-mac log threshold](#), on page 2237
- [show system inband queuing statistics](#), on page 2238
- [show system inband queuing status](#), on page 2239
- [show system login](#), on page 2240
- [show system login failures](#), on page 2241
- [show system lpss monitor usage](#), on page 2242
- [show system memory-thresholds](#), on page 2243
- [show system mode](#), on page 2244
- [show system nve infra-vlans](#), on page 2245
- [show system poap](#), on page 2246
- [show system pss shrink status](#), on page 2247
- [show system redundancy ha status](#), on page 2248
- [show system redundancy status](#), on page 2249
- [show system reset-reason](#), on page 2250
- [show system reset-reason](#), on page 2251
- [show system reset-reason module](#), on page 2252
- [show system resources](#), on page 2253
- [show system resources all-modules](#), on page 2254
- [show system routing mode](#), on page 2255
- [show system security](#), on page 2256
- [show system simulate fan-presence](#), on page 2257
- [show system standby manual-boot](#), on page 2258
- [show system switch-mode](#), on page 2259
- [show system tech-support blocked-commands status](#), on page 2260
- [show system uptime](#), on page 2261
- [show system verify bios flash](#), on page 2262
- [show system vlan reserved](#), on page 2263

show san-port-channel compatibility-parameters

show san-port-channel compatibility-parameters

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
compatibility-parameters	Show san-port-channel compatibility-parameters

Command Mode

- /exec

show san-port-channel consistency

show san-port-channel consistency

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency

Command Mode

- /exec

show san-port-channel consistency detail

show san-port-channel consistency detail

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
detail	Show san-port-channel distributed databases of all modules

Command Mode

- /exec

show san-port-channel database

show san-port-channel database [interface <ifid> | all]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
database	Show san-port-channel database
interface	(Optional) Specify a port-channel
<i>ifid</i>	(Optional)
all	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show san-port-channel summary

show san-port-channel summary

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
summary	Show san-port-channel summary

Command Mode

- /exec

show san-port-channel usage

show san-port-channel usage

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
usage	Show san-port-channel usages

Command Mode

- /exec

show scheduler config

show scheduler config

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
config	Display scheduler config

Command Mode

- /exec

show scheduler job

show scheduler job [name <s0>]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
job	Display job information
name	(Optional) Specify the name of job
s0	(Optional) Specify the job name

Command Mode

- /exec

show scheduler logfile

show scheduler logfile

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
logfile	Display scheduler job output log

Command Mode

- /exec

show scheduler schedule

show scheduler schedule [name <s0>]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
schedule	Display schedule information
name	(Optional) Specify the name of schedule
s0	(Optional) Specify the schedule name

Command Mode

- /exec

show security-group

```
show security-group { { id { <esg-id> | all } } | { name <esg-name> } | { vrf { { <vrf-name> |
<vrf-known-name> } { ipv4 | ipv6 } } | all } } | { vlan { <vlan-id> | all } } | { interface { name <iface> | all
} } | { type { layer4-7 } } }
```

Syntax Description

show	Show running system information
security-group	endpoint security group information
id	endpoint security-group id
name	endpoint security-group name
ipv4	ipv4 address family for this vrf
ipv6	ipv6 address family for this vrf
vrf	vrf based selector
vlan	vlan based selector
interface	interface based selector
type	Endpoint security-group type
all	display all configured endpoint security-groups
all	display all configured vrf selectors
all	display all configured vlan selectors
name	name of the interface
all	display all configured interface selectors
layer4-7	display all configured Endpoint security-groups with type layer4-7
<i>esg-name</i>	endpoint security-group name
<i>esg-id</i>	endpoint security-group id
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
<i>vlan-id</i>	vlan id
<i>iface</i>	interface name

Command Mode

- /exec

show segment-routing

show segment-routing [detail]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
detail	(Optional) Show detailed information

Command Mode

- /exec

show segment-routing clients

show segment-routing clients

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
clients	Show client info

Command Mode

- /exec

show segment-routing ipv4 connected-prefix-sid-map

show segment-routing ipv4 connected-prefix-sid-map

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping

Command Mode

- /exec

show segment-routing mpls

show segment-routing mpls [detail]

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
detail	(Optional) Show detailed information

Command Mode

- /exec

show segment-routing mpls clients

show segment-routing mpls clients

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
clients	Show client info

Command Mode

- /exec

show segment-routing mpls ipv4 connected-prefix-sid-map

show segment-routing mpls ipv4 connected-prefix-sid-map

Syntax Description

show	Show running system information
segment-routing	Show segment-routing status info
mpls	Show segment-routing mpls info
ipv4	Show info for IPv4 address-family
connected-prefix-sid-map	Show prefix-sid mapping

Command Mode

- /exec

show sflow

show sflow

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration

Command Mode

- /exec

show sflow statistics

show sflow statistics

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
statistics	Display sFlow statistics

Command Mode

- /exec

show snapshots

show snapshots

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch

Command Mode

- /exec

show snapshots compare

show snapshots compare <snapshot-name-T1> <snapshot-name-T2>

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2

Command Mode

- /exec

show snapshots compare ipv4routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv4routes

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
ipv4routes	Compare ipv4 route information

Command Mode

- /exec

show snapshots compare ipv6routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv6routes

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
ipv6routes	Compare ipv6 route information

Command Mode

- /exec

show snapshots compare summary

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> summary

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
<i>snapshot-name-T1</i>	Name of a snapshot taken at interval T1
<i>snapshot-name-T2</i>	Name of a snapshot taken at interval T2
summary	Compare summary information

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name>

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
<i>snapshot-name</i>	Name of a snapshot

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> <section-name>

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
<i>snapshot-name</i>	Name of a snapshot
<i>section-name</i>	Name of snapshot section

Command Mode

- /exec

show snapshots sections

show snapshots sections

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
sections	User-specified snapshot sections

Command Mode

- /exec

show snmp

show snmp

Syntax Description

show	Show running system information
snmp	show snmp information

Command Mode

- /exec

show snmp community

show snmp community

Syntax Description

show	Show running system information
snmp	show snmp information
community	show snmp community strings

Command Mode

- /exec

show snmp context

show snmp context

Syntax Description

show	Show running system information
snmp	show snmp information
context	show snmp context mapping entries

Command Mode

- /exec

show snmp engineID

show snmp engineID

Syntax Description

show	Show running system information
snmp	show snmp information
engineID	show snmp engineID

Command Mode

- /exec

show snmp group

show snmp group

Syntax Description

show	Show running system information
snmp	show snmp information
group	show snmp group

Command Mode

- /exec

show snmp host

show snmp host

Syntax Description

show	Show running system information
snmp	show snmp information
host	show snmp hosts

Command Mode

- /exec

show snmp nms-statistics

show snmp nms-statistics

Syntax Description

show	Show running system information
snmp	Show snmp information
nms-statistics	Show SNMP NMS statistics

Command Mode

- /exec

show snmp oid-statistics

show snmp oid-statistics [last-access]

Syntax Description

show	Show running system information
snmp	Show snmp information
oid-statistics	Show SNMP oid statistics
last-access	(Optional) Show SNMP oid statistics of last-access

Command Mode

- /exec

show snmp sessions

show snmp sessions

Syntax Description

show	Show running system information
snmp	show snmp information
sessions	show snmp sessions

Command Mode

- /exec

show snmp source-interface

show snmp source-interface

Syntax Description

show	Show running system information
snmp	show snmp information
source-interface	show source-interface through which notifications are sent

Command Mode

- /exec

show snmp trap

show snmp trap

Syntax Description

show	Show running system information
snmp	show snmp information
trap	show snmp traps

Command Mode

- /exec

show snmp user

```
show snmp user [ <s0> [ engineID <s1> ] ]
```

Syntax Description

show	Show running system information
snmp	show snmp information
user	show SNMPv3 users
<i>s0</i>	(Optional) Name of the user
engineID	(Optional) engineID
<i>s1</i>	(Optional) Target's SNMP engineID(colon separated) for SNMPv3 inform

Command Mode

- /exec

show sockets client

```
show sockets client { [ pid <pid> ] [ tcp | udp | raw ] [ detail ] [ kstack-ns-all ] }
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
client	Display sockets client information
pid	(Optional) Display specific client process information
<i>pid</i>	(Optional) Display client process <pid>
tcp	(Optional) Display TCP clients
udp	(Optional) Display UDP clients
raw	(Optional) Display RAW clients
detail	(Optional) Display socket details
kstack-ns-all	(Optional) Show kernel clients for all namespaces

Command Mode

- /exec

show sockets connection

```
show sockets connection [ pid <pid> | tcp | udp | raw ] [ local { <srcIP> | <srcIP6> } ] [ foreign { <dstIP> | <dstIP6> } ] [ detail ] [ keydetails ]
```

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
connection	Display connection information
pid	(Optional) Display specific client process connection status
<i>pid</i>	(Optional) Display client process connection status <pid>
tcp	(Optional) Display all TCP connections
udp	(Optional) Display all UDP connections
raw	(Optional) Display all raw connections
local	(Optional) Display all TCP connections with specified local address
<i>srcIP</i>	(Optional) Display all TCP connections with specified local address
foreign	(Optional) Display all TCP connections with specified foreign address
<i>dstIP</i>	(Optional) Display all TCP connections with specified foreign address
detail	(Optional) Display detailed connection information
keydetails	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show sockets local-port-range

show sockets local-port-range

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
local-port-range	Display local port range

Command Mode

- /exec

show sockets ns-port-kiosk

show sockets ns-port-kiosk

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
ns-port-kiosk	Display port kiosk for netstack socket clients

Command Mode

- /exec

show sockets statistics

show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
statistics	Display sockets statistics
all	(Optional) Display TCP/UDP/RAW v4/v6 protocols statistics
tcp	(Optional) Display TCP v4 protocol statistics
tcp6	(Optional) Display TCP v6 protocol statistics
tcpsum	(Optional) Display sum of TCP v4 and TCP v6 protocols statistics
udp	(Optional) Display UDP v4 protocol statistics
udp6	(Optional) Display UDP v6 protocol statistics
udpsum	(Optional) Display sum of UDP v4 and UDP v6 protocols statistics
raw	(Optional) Display RAW v4 protocol statistics
raw6	(Optional) Display RAW v6 protocol statistics
rawsum	(Optional) Display sum of RAW v4 and RAW v6 protocols statistics

Command Mode

- /exec

show sockets tcp keychain binding

show sockets tcp keychain binding

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
tcp	TCP information
keychain	Keychain information
binding	Binding information regarding RPM

Command Mode

- /exec

show software authenticity file

show software authenticity { file <uri0> | running }

Syntax Description

show	show information
software	signifies information about current software
authenticity	signifies image signature
file	show verification information of a file
<i>uri0</i>	file to be verified
running	Show running image information

Command Mode

- /exec

show software authenticity keys

show software authenticity keys

Syntax Description

show	show information
software	signifies information about current software
authenticity	signifies image signature
keys	show installed verification keys

Command Mode

- /exec

show spanning-tree

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ]
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
<i>verbosity</i>	verbosity
active	Report on active interfaces only

Command Mode

- /exec

show spanning-tree blockedports

{ show spanning-tree [vlan <vlan-id>] blockedports

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees

Command Mode

- /exec

show spanning-tree bridge

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] bridge [ priority [ system-id ] ]
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
bridge	Status and configuration of this bridge
address	(Optional) Mac address of this bridge
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
protocol	(Optional) Spanning tree protocol
brief	(Optional) Brief summary of the status and configuration output
detail	(Optional) Detailed of the status and configuration
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension

Command Mode

- /exec

show spanning-tree inconsistentports

{ show spanning-tree [vlan <vlan-id>] inconsistentports

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
inconsistentports	Show inconsistent ports

Command Mode

- /exec

show spanning-tree interface

```
{ show spanning-tree [ vlan <vlan-id> ] interface <interface-id> { cost | inconsistency | edge | priority | rootcost | state } }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	
cost	Port path cost
inconsistency	Port inconsistency state
edge	Edge Port configuration
priority	Port priority
rootcost	Path cost to root
state	Port spanning tree state

Command Mode

- /exec

show spanning-tree interface

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] interface <interface-id>
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	
<i>verbosity</i>	verbosity
active	Report on active instances only

Command Mode

- /exec

show spanning-tree issu-impact

show spanning-tree issu-impact

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
issu-impact	Show whether STP meets ISSU criteria

Command Mode

- /exec

show spanning-tree mst

{ show spanning-tree mst [<mst-id>]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
<i>mst-id</i>	(Optional) MST instance range, example: 0-3,5,7-9
detail	Detailed information

Command Mode

- /exec

show spanning-tree mst configuration

{ show spanning-tree mst configuration

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration

Command Mode

- /exec

show spanning-tree mst configuration digest

{ show spanning-tree mst configuration digest

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
digest	Display MST configuration digest

Command Mode

- /exec

show spanning-tree mst interface

```
{ show spanning-tree mst [ <mst-id> ] interface <interface-id>
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
<i>mst-id</i>	(Optional) MST instance range, example: 0-3,5,7-9
interface	Spanning Tree interface status and configuration
<i>interface-id</i>	Specify an interface as a target for the command
detail	Detailed information

Command Mode

- /exec

show spanning-tree pathcost method

{ show spanning-tree pathcost method

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
pathcost	Show Spanning pathcost options
method	Default pathcost calculation method

Command Mode

- /exec

show spanning-tree root

```
{ show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] root [ priority [ system-id ] ] }
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
root	Status and configuration of the root bridge
address	(Optional) Mac address of this bridge
cost	(Optional) Path cost from this bridge to the root
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
port	(Optional) Root port
brief	(Optional) Brief summary of interface information
detail	(Optional) Detailed information
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension

Command Mode

- /exec

show spanning-tree summary

```
show spanning-tree [ vlan <vlan-id> | bridge-domain <bd-id> ] summary
```

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
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
summary	Summary of port states

Command Mode

- /exec

show spanning-tree summary totals

show spanning-tree summary totals

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
summary	Summary of port states
totals	Only show totals

Command Mode

- /exec

show sprom

```
show sprom { backplane <i0> | module <module> <i1> | xbar <santa-cruz-range> <i2> | powersupply <i3>
| fan <i4> | sup | stby-sup | all | all2 | backplane2 | module2 <module2> | powersupply2 <i5> | sup2 | switchcard
}
```

Syntax Description

show	Show running system information
sprom	show SPROM contents
backplane	show backplane clock module sprom contents
<i>i0</i>	please enter instance of backplane sprom
module	show linecard module sprom contents
<i>module</i>	please enter module number
<i>i1</i>	please enter instance of module sprom
xbar	show xbar fabric sprom contents
<i>santa-cruz-range</i>	please enter the xbar number
<i>i2</i>	please enter sprom instance number
powersupply	show powersupply sprom contents
<i>i3</i>	please enter powersupply number
fan	show fan module sprom contents
<i>i4</i>	please enter fan number
sup	show supervisor sprom contents
switchcard	show switchcard sprom contents
stby-sup	show standby supervisor sprom contents
all	show all sproms contents
all2	All sprom contents
backplane2	Backplane sprom contents
module2	Linecard sprom contents
<i>module2</i>	Linecard module number
powersupply2	Powersupply sprom contents
<i>i5</i>	Powersupply module number

sup2	Supervisor sprom contents
------	---------------------------

Command Mode

- /exec

show srte pce ipv4 peer

show srte pce ipv4 peer [<pce_address>]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
pce	Show PCC related information
ipv4	Show ipv4 pcc information
peer	Show PCE peers
<i>pce_address</i>	(Optional) PCE address of the peer

Command Mode

- /exec

show srte policy

```
show srte policy [ { <policy_name_val> } | { color <color_val> endpoint { <end_point_val> | <ipv6-addr>
} } | { policy-id <policy_id_val> } ] [ holddown ] [ detail ] [ all ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
color	(Optional) Show policies with the color
endpoint	(Optional) Show Policies with the destination
<i>end_point_val</i>	(Optional) Endpoint for the policy
<i>ipv6-addr</i>	(Optional) IPv6 endpoint SID
<i>policy_name_val</i>	(Optional) Policy name of the policy
<i>color_val</i>	(Optional) Color of the policy
<i>policy_id_val</i>	(Optional) Policy_id of the policy
policy-id	(Optional) Show Policy for the policy-id
holddown	(Optional) Show Policies that are in holddown
detail	(Optional) Display detailed information

Command Mode

- /exec

show srte policy fh

show srte policy fh

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
fh	Show existing policies firsthop state

Command Mode

- /exec

show srte policy proactive-policy-monitoring

```
show srte policy proactive-policy-monitoring [ { brief } | { color <color_val> endpoint <end_point_val> } |
{ session-id <session_id_val> } | { name <name> } ]
```

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
proactive-policy-monitoring	Show existing policies proactive monitoring state
brief	(Optional) Show brief information for sessions
color	(Optional) Show promon sessions related to policy color
endpoint	(Optional) Show promon sessions related to policy destination
name	(Optional) Show promon sessions related to policy name
<i>end_point_val</i>	(Optional) Endpoint for the policy
<i>color_val</i>	(Optional) Color of the policy
<i>session_id_val</i>	(Optional) session id of the promon session
session-id	(Optional) Show promon session for session-id
<i>name</i>	(Optional) Policy name of the policy

Command Mode

- /exec

show srte policy summary

show srte policy summary

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
summary	Show policy summary info

Command Mode

- /exec

show srv6 clients

show srv6 clients

Syntax Description

show	Show running system information
srv6	srv6
clients	Sid Manager Client

Command Mode

- /exec

show srv6 locator

show srv6 locator [detail]

Syntax Description

show	Show running system information
srv6	srv6
locator	Locator DB
detail	(Optional) Locator details

Command Mode

- /exec

show srv6 manager

show srv6 manager

Syntax Description

show	Show running system information
srv6	srv6
manager	Manager

Command Mode

- /exec

show srv6 sid

```
show srv6 sid [ <ipv6-addr> ] [ detail ]
```

Syntax Description

show	Show running system information
srv6	srv6
sid	SID DB
detail	(Optional) Print SID details

Command Mode

- /exec

show srv6 sid counters

show srv6 sid <ipv6-addr> counters

Syntax Description

show	Show running system information
srv6	srv6
sid	SID DB
counters	Print SID counters

Command Mode

- /exec

show ssh

show ssh { ciphers | macs | keytypes | kexalgos }

Syntax Description

show	Show running system information
ssh	SSH information
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

Command Mode

- /exec

show ssh key

```
show ssh key [ { dsa [ md5 ] | rsa [ md5 ] | ecdsa | [ md5 ] } ]
```

Syntax Description

show	Show running system information
ssh	Show SSH information
key	Show ssh keys
dsa	(Optional) Show dsa ssh keys
rsa	(Optional) Show rsa ssh keys
ecdsa	(Optional) Show ecdsa ssh keys
md5	(Optional) Show Fingerprint in MD5 Format

Command Mode

- /exec

show ssh server

show ssh server

Syntax Description

show	Show running system information
ssh	Show SSH information
server	Show whether ssh server is enabled or not

Command Mode

- /exec

show ssh version

show ssh version

Syntax Description

show	Show running system information
ssh	SSH information
version	Display OpenSSH version

Command Mode

- /exec

show ssx details

show ssx details

Syntax Description

ssx	Display SSX information
details	Show SSX details

Command Mode

- /exec

show ssx exporter

show ssx exporter { all | <exportername> }

Syntax Description

ssx	Display SSX information
exporter	Show exporter details
all	All sessions
<i>exportername</i>	SSX Exporter to display

Command Mode

- /exec

show ssx monitor

```
show ssx monitor { all | <monitorname> }
```

Syntax Description

ssx	Display SSX information
monitor	Show monitor details
all	All sessions
<i>monitorname</i>	SSX Monitor to display

Command Mode

- /exec

show ssx record

```
show ssx record { all | <recordname> }
```

Syntax Description

ssx	Display SSX information
record	Show record details
all	All sessions
<i>recordname</i>	SSX Record to display

Command Mode

- /exec

show startup-config

show startup-config { log | mdp-log | poap-log } [bootstrap]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mdp-log	Displays execution log of last used Model Driven Programmability(MDP) ASCII startup configuration
log	Displays execution log of last used ASCII startup configuration
poap-log	Displays execution log of last used POAP ASCII startup configuration
bootstrap	(Optional) Bootstrap config replay execution log

Command Mode

- /exec

show startup-config

show startup-config [sanitized]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
sanitized	(Optional) Current startup configuration with sensitive information (passwords) removed

Command Mode

- /exec

show startup-config aaa

show startup-config aaa

Syntax Description

show	show startup-cfg
startup-config	show startup system information
aaa	Display aaa configuration

Command Mode

- /exec

show startup-config aclmgr

show startup-config aclmgr [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
aclmgr	show startup config for aclmgr
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config adjmgr

show startup-config adjmgr [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config app-hosting

show startup-config app-hosting

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
app-hosting	show startup config for app-hosting

Command Mode

- /exec

show startup-config arp

show startup-config arp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config assoc

show startup-config assoc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
assoc	Original ID to Translated ID Association
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config backup

show startup-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
backup	Show startup config for Switchport Backup
flexlink	Show startup config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config bfd

show startup-config bfd [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
bfd	show startup config for bfd
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config bgp

show startup-config bgp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config bloggerd

show startup-config bloggerd [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
bloggerd	Display bloggerd configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config callhome

show startup-config callhome

Syntax Description

show	show startup-cfg
startup-config	show startup system information
callhome	Display callhome configuration

Command Mode

- /exec

show startup-config cdp

show startup-config cdp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
cdp	Display cdp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config cert-enroll

show startup-config cert-enroll

Syntax Description

show	show startup-cfg
startup-config	show startup system information
cert-enroll	Display certificates configuration

Command Mode

- /exec

show startup-config cfs

show startup-config cfs [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config config-profile

show startup-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
config-profile	Display port-profile configuration
<i>all_conf_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config copp

show startup-config copp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
copp	Control-Plane Policing
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config cryptopqc

show startup-config cryptopqc [all]

Syntax Description

show	show system information
startup-config	show startup system information
cryptopqc	Show startup configuration for cryptopqc
all	(Optional) Show startup configuration for WCCP with defaults

Command Mode

- /exec

show startup-config cryptopqc

show startup-config cryptopqc

Syntax Description

show	show startup-cfg
startup-config	show startup system information
cryptopqc	Display cryptopqc configuration

Command Mode

- /exec

show startup-config dhcp

show startup-config dhcp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config diagnostic

show startup-config diagnostic [all]

Syntax Description

show	Show running system information
startup-config	Contents of startup configuration
diagnostic	Diagnostic configuration
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config dot1x

show startup-config dot1x

Syntax Description

show	show startup-cfg
startup-config	show startup system information
dot1x	Display dot1x configuration

Command Mode

- /exec

show startup-config ecp

show startup-config ecp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config eem

show startup-config eem

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
eem	Show the event manager startup configuration

Command Mode

- /exec

show startup-config eigrp

show startup-config eigrp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config eltm

show startup-config eltm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eltm	Display eltm configurations

Command Mode

- /exec

show startup-config epbr

show startup-config epbr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
epbr	epbr

Command Mode

- /exec

show startup-config evb

show startup-config evb [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config exclude

show startup-config exclude <feature-list> +

Syntax Description

show	Show running system information
startup-config	Current startup configuration
exclude	Exclude startup configuration of specified features
<i>feature-list</i>	Exclude features

Command Mode

- /exec

show startup-config expand-port-profile

show startup-config expand-port-profile

Syntax Description

show	Show running system information
startup-config	System startup-config commands
expand-port-profile	Expand port profile

Command Mode

- /exec

show startup-config fabric forwarding

show startup-config fabric forwarding [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabric multicast

show startup-config fabric multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath

show startup-config fabricpath

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fabricpath	fabricpath information

Command Mode

- /exec

show startup-config fabricpath domain default

show startup-config fabricpath domain default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath information
domain	Enter fabricpath IS-IS domain configuration mode
default	default fabricpath domain
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabricpath switch-id

show startup-config fabricpath switch-id

Syntax Description

startup-config	Current startup configuration
fabricpath	fabricpath information
switch-id	fabricpath switch-id configuration

Command Mode

- /exec

show startup-config fabricpath topology

show startup-config fabricpath topology [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabricpath	fabricpath Module Information
topology	Fabricpath topology Information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fcoe_mgr

show startup-config fcoe_mgr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
fcoe_mgr	Display fcoe_mgr configuration

Command Mode

- /exec

show startup-config fsync_mgr

```
show startup-config fsync_mgr [ all ]
```

Syntax Description

show	Show running system information
startup-config	System startup-config commands
fsync_mgr	Frequency Synchronization Manager
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config glbp

show startup-config glbp

Syntax Description

show	Show system information
startup-config	System startup configuration
glbp	GLBP startup configuration

Command Mode

- /exec

show startup-config hardware-telemetry

show startup-config hardware-telemetry [all]

Syntax Description

show	Show system information
startup-config	Current startup configuration
hardware-telemetry	show startup config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config hsrp

show startup-config hsrp

Syntax Description

show	Show system information
startup-config	System startup configuration
hsrp	HSRP startup configuration

Command Mode

- /exec

show startup-config icmpv6

show startup-config icmpv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config igmp

show startup-config igmp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config imp

show startup-config imp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
imp	Display imp information
all	(Optional) Display start config with defaults clis

Command Mode

- /exec

show startup-config interface

show startup-config interface [<if0>] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
<i>if0</i>	(Optional) interface type and number in module/slot format
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config interface

show startup-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
<i>if0</i>	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config intersight

show startup-config intersight

Syntax Description

show	Show system information
startup-config	Current startup configuration
intersight	Display intersight configurations

Command Mode

- /exec

show startup-config ip

show startup-config ip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ipqos

show startup-config ipqos [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config ipv6

show startup-config ipv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config isis

show startup-config isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config l3vm

show startup-config l3vm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ldap

show startup-config ldap

Syntax Description

show	show startup-cfg
startup-config	show startup system information
ldap	Display ldap configuration

Command Mode

- /exec

show startup-config license

show startup-config license [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
license	Display licensing configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config lisp

show startup-config lisp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
lisp	Display lisp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config lldp

```
show startup-config lldp [ all ]
```

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
lldp	Display lldp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config lpss

show startup-config lpss

Syntax Description

show	Show system information
startup-config	Show startup system information
lpss	Display Light weight Persistent Storage configuration

Command Mode

- /exec

show startup-config macsec

show startup-config macsec

Syntax Description

show	Show running system information
startup-config	show startup system information
macsec	Show CTS information

Command Mode

- /exec

show startup-config mdns

show startup-config mdns

Syntax Description

show	show startup-cfg
startup-config	show startup system information
mdns	MDNS startup configuration

Command Mode

- /exec

show startup-config mfwd

```
show startup-config { mfwd | mcastfwd } [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mcastfwd	Display MCASTFWD information
mfwd	Display MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mfwdv6

show startup-config { mfwdv6 | mcastfwdv6 } [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mcastfwdv6	Display IPV6 MCASTFWD information
mfwdv6	Display IPV6 MFWD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mld

show startup-config mld [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mld	Display MLD information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config mmode

show startup-config mmode [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
mmode	Display maintenance mode startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config monitor

show startup-config monitor

Syntax Description

show	Show running system information
startup-config	Current startup configuration
monitor	Configure Ethernet SPAN sessions

Command Mode

- /exec

show startup-config mpls static

show startup-config mpls static [all]

Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show startup-config mpls strip

show startup-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	MPLS information
strip	Stripping of MPLS headers
startup-config	System startup configuration
all	(Optional) Show startup configuration for STRIPCL with defaults

Command Mode

- /exec

show startup-config msdp

show startup-config msdp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config nat

show startup-config nat [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
nat	show startup config for nat
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config nbm

show startup-config nbm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show startup-config ngoam

show startup-config ngoam

Syntax Description

show	Show running system information
startup-config	Show startup system information
ngoam	ngoam configuration

Command Mode

- /exec

show startup-config ntp

show startup-config ntp [all]

Syntax Description

show	Show information
startup-config	Show startup system configuration
ntp	Show NTP information
all	(Optional) Show all NTP startup configuration

Command Mode

- /exec

show startup-config nv overlay

show startup-config nv overlay [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
nv	NVE startup configuration
overlay	NVE startup configuration
all	(Optional) Show NVE config with defaults

Command Mode

- /exec

show startup-config nxsdk

show startup-config nxsdk [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ofm

show startup-config ofm [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
ofm	Overlay Flow/Policy Manager startup configuration
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config openconfig

show startup-config openconfig [all]

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
openconfig	OpenConfig Model Service App
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config ospf

show startup-config ospf [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ospfv3

show startup-config ospfv3 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config otv-isis

show startup-config otv-isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
otv-isis	Display otv-isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config param-list

show startup-config param-list [<plistname>]

Syntax Description

show	Show startup-cfg
startup-config	show startup configuration
param-list	Display param-list configuration
<i>plistname</i>	(Optional) Enter the name of the param list

Command Mode

- /exec

show startup-config pim

show startup-config pim [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config pim6

show startup-config pim6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config poe

show startup-config poe [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
poe	Power over Ethernet
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config port-profile

show startup-config port-profile [<all_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
port-profile	Display port-profile configuration
<i>all_profile_name</i>	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config port-security

show startup-config port-security [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config ptp

show startup-config ptp [all]

Syntax Description

show	show system information
startup-config	show startup system information
ptp	Show startup configuration for ptp
all	(Optional) Show startup configuration for PTP with defaults

Command Mode

- /exec

show startup-config radius

show startup-config radius

Syntax Description

show	show startup-cfg
startup-config	show startup system information
radius	Display radius configuration

Command Mode

- /exec

show startup-config rip

show startup-config rip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config routing ip multicast

```
show startup-config routing { ip | ipv4 } multicast [ all ]
```

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config routing ipv6 multicast

show startup-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config rpm

show startup-config rpm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config scheduler

show startup-config scheduler [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
scheduler	Show scheduler config or data
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config security

show startup-config security

Syntax Description

show	show startup-cfg
startup-config	show startup system information
security	Display security configuration

Command Mode

- /exec

show startup-config segment-routing

show startup-config segment-routing [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
segment-routing	Display segment-routing startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config services

show startup-config services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
services	services

Command Mode

- /exec

show startup-config sflow

show startup-config { sflow } [all]

Syntax Description

show	Show system information
startup-config	Current startup configuration
sflow	show startup config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config sla responder

show startup-config sla responder

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show startup-config sla sender

show startup-config sla sender

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show startup-config sla twamp-server

show startup-config sla twamp-server

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
twamp-server	Show information about twamp-server

Command Mode

- /exec

show startup-config snmp

show startup-config snmp [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config srte

show startup-config srte

Syntax Description

show	Show running system information
startup-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show startup-config storm-control

show startup-config storm-control

Syntax Description

show	Show running system information
startup-config	Current startup configuration
storm-control	show config for storm-control

Command Mode

- /exec

show startup-config switch

```
show startup-config { switch-profile | include-switch-profile }
```

Syntax Description

show	Show running system information
startup-config	System startup configuration
switch-profile	Show switch-profile information
include-switch-profile	Show startup and switch-profile configuration

Command Mode

- /exec

show startup-config sync

show startup-config sync [all]

Syntax Description

startup-config	Current startup configuration
sync	show startup config for sync
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config tacacs

show startup-config tacacs +

Syntax Description

show	show startup-cfg
startup-config	show startup system information

Command Mode

- /exec

show startup-config telemetry

show startup-config telemetry [all]

Syntax Description

show	show startup system configuration
startup-config	show startup system information
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config track

show startup-config track

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
track	Show the track startup configuration

Command Mode

- /exec

show startup-config tunnel-encryption

show startup-config tunnel-encryption

Syntax Description

show	Show running system information
startup-config	show startup system information
tunnel-encryption	Show information about Tunnel Encryption Manager

Command Mode

- /exec

show startup-config udd

show startup-config udd

Syntax Description

show	Show running system information
startup-config	Current startup configuration
udd	Show udd configuration

Command Mode

- /exec

show startup-config vdc-all

show startup-config vdc-all

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vdc-all	Display config from all VDC

Command Mode

- /exec

show startup-config vdc

show startup-config vdc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
vdc	Show Virtual Device Contexts
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config virtual-service

show startup-config virtual-service

Syntax Description

show	Show running system information
startup-config	System startup-config commands
virtual-service	Show startup config for virtualization services

Command Mode

- /exec

show startup-config vlan

show startup-config vlan <vlan-id>

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show startup-config vlan

show startup-config vlan

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands

Command Mode

- /exec

show startup-config vmtracker

```
show startup-config vmtracker [ all ]
```

Syntax Description

show	Show system information
startup-config	System startup configuration
vmtracker	Show VMTracker configuration
all	(Optional) Show VMTracker config with defaults

Command Mode

- /exec

show startup-config vpc

show startup-config vpc [all]

Syntax Description

startup-config	Current startup configuration
vpc	show startup config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config vrf

show startup-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
<i>vrf-cfg-name</i>	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrf default

show startup-config vrf default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrrpv3

show startup-config vrrpv3 [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vrrpv3	VRRPv3 startup configuration
all	(Optional) show startup config of VRRPv3 with defaults

Command Mode

- /exec

show startup-config vshd

show startup-config vshd

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
vshd	Show startup config for vshd

Command Mode

- /exec

show startup-config vtp

show startup-config vtp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vtp	Show startup configuration for VTP
all	(Optional) Show startup configuration for VTP with defaults

Command Mode

- /exec

show startup-config wwnm

show startup-config wwnm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
wwnm	Display WWN Manager startup configuration

Command Mode

- /exec

show startup-config zone

show startup-config zone

Syntax Description

show	Show running system information
startup-config	Current startup configuration
zone	Display zone server startup configuration

Command Mode

- /exec

show startup-config zone vsan

show startup-config zone vsan <vsan-id>

Syntax Description

show	Show running system information
startup-config	Current startup configuration
zone	Display zone server startup configuration per vsan
vsan	Vsan commands
<i>vsan-id</i>	Vsan id

Command Mode

- /exec

show summary

```
show { ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all | ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] [ ipv4 [ { unicast | multicast } ] ] } summary [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]
```

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show switch-profile

show switch-profile

Syntax Description

show	Show running system information
switch-profile	Show switch-profiles

Command Mode

- /exec

show switch-profile

```
show switch-profile [ <profile-name> ] { session-history | status commit }
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
session-history	Switch-profile session-history
<i>profile-name</i>	(Optional) switch-profile name
status	Switch-profile sync status
commit	Switch-profile last commit status

Command Mode

- /exec

show switch-profile buffer

show switch-profile [<profile-name>] buffer

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
buffer	buffered commands
<i>profile-name</i>	(Optional) switch-profile name

Command Mode

- /exec

show switch-profile peer

```
show switch-profile [ <profile-name> ] peer [ <dest-ip> ] [ details ]
```

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
<i>profile-name</i>	(Optional) switch-profile name
peer	peer info
<i>dest-ip</i>	(Optional) IPv4 address (A.B.C.D) of destination
details	(Optional) information in detail

Command Mode

- /exec

show switch-profile status

show switch-profile [<profile-name>] status

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
status	Switch-profile sync status
<i>profile-name</i>	(Optional) switch-profile name

Command Mode

- /exec

show switching-mode

show switching-mode

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode

Command Mode

- /exec

show switching-mode fabric-speed

show switching-mode fabric-speed

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
fabric-speed	Show the fabric speed

Command Mode

- /exec

show system acl

show system acl

Syntax Description

show	Show running system information
system	System management commands
acl	ACL parameters

Command Mode

- /exec

show system auto-collect tech-support

show system auto-collect tech-support

Syntax Description

show	Show running system information
system	System management commands
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset

Command Mode

- /exec

show system boottime

show system boottime

Syntax Description

show	Show running system information
system	System-related show commands
boottime	Show platform boot time of each module

Command Mode

- /exec

show system config reload-pending

show system config reload-pending

Syntax Description

show	Show running system information
system	System-related show commands
config	Config commands which require reload
reload-pending	Commands which require a reload

Command Mode

- /exec

show system cores

show system cores

Syntax Description

show	Show running system information
system	System-related show commands
cores	Displays core transfer option

Command Mode

- /exec

show system default switchport

show system default switchport

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show system default zone

show system default zone

Syntax Description

show	Show running system information
system	System-related show commands
default	Show system default values
zone	Show default values for zone

Command Mode

- /exec

show system device-connector claim-info

show system device-connector claim-info

Syntax Description

show	Show running system information
system	Show system information
device-connector	Show intersight device-connector information
claim-info	Device Identifier and Security token

Command Mode

- /exec

show system device-connector log

```
show system device-connector log { dc | dcgrpc | cnmi | nae | sim | compliance }
```

Syntax Description

show	Show running system information
system	Show system information
device-connector	Show intersight device-connector information
log	Log file contents
dc	Device connector logs
dcgrpc	GRPC server logs
cnmi	CNMI logs
nae	Nae logs
sim	SIM Agent logs
compliance	Config compliance logs

Command Mode

- /exec

show system error-id

show system error-id { list | <i0> }

Syntax Description

show	Show running system information
system	System-related show commands
error-id	Show description about errors
list	Show description about all error IDs
<i>i0</i>	Show description about specific error

Command Mode

- /exec

show system exception-info

show system exception-info

Syntax Description

show	Show running system information
system	System-related show commands
exception-info	Show last exception log information

Command Mode

- /exec

show system fabric-mode

show system fabric-mode

Syntax Description

show	Show running system information
system	Show system information
fabric-mode	Show the fabric operation mode information

Command Mode

- /exec

show system fast-reload stabilization-timer

show system fast-reload stabilization-timer

Syntax Description

show	Show running system information
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

Command Mode

- /exec

show system image-verification

show system image-verification

Syntax Description

show	Show running system information
system	Show system information
image-verification	image signature verification status

Command Mode

- /exec

show system inband cpu-mac log threshold

show system inband cpu-mac log threshold

Syntax Description

show	Show running system information
system	System-related show commands
inband	Show Inband related information
cpu-mac	Show CPU-MACs related information
log	Show log information
threshold	Show inband threshold

Command Mode

- /exec

show system inband queuing statistics

show system inband queuing statistics

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
statistics	Inband statistics

Command Mode

- /exec

show system inband queuing status

show system inband queuing status

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information

Command Mode

- /exec

show system login

show system login

Syntax Description

show	Show running system information
system	System-related show commands
login	Display Secure Login Configurations and State

Command Mode

- /exec

show system login failures

show system login failures

Syntax Description

show	Show running system information
system	System-related show commands
login	Secure Login
failures	Display Login failures in the current watch period

Command Mode

- /exec

show system lpss monitor usage

show system lpss monitor usage

Syntax Description

show	Show running system information
system	System-related show commands
lpss	Display LPSS information
monitor	Shared memory monitor
usage	Shared memory Usage of the LPSS dbs

Command Mode

- /exec

show system memory-thresholds

show system memory-thresholds

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show system mode

show system mode

Syntax Description

show	Show running system information
system	System configuration commands
mode	Show system mode

Command Mode

- /exec

show system nve infra-vlans

show system nve infra-vlans

Syntax Description

show	Show running system information
system	System-related show commands
nve	Show NVE information
infra-vlans	Show NVE infra-vlans related information

Command Mode

- /exec

show system poap

show system poap

Syntax Description

show	Show running system information
system	Show system information
poap	Show information related to POAP

Command Mode

- /exec

show system pss shrink status

show system pss shrink status [details]

Syntax Description

show	Show running system information
system	System-related show commands
pss	Displays last pss shrink status
shrink	Displays last pss shrink status
status	Displays last pss shrink status
details	(Optional) Displays last pss shrink status details

Command Mode

- /exec

show system redundancy ha status

show system redundancy ha status

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
ha	vdc redundancy status
status	all vdc redundancy status

Command Mode

- /exec

show system redundancy status

show system redundancy status

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
status	Current redundancy status

Command Mode

- /exec

show system reset-reason

show system reset-reason

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason

Command Mode

- /exec

show system reset-reason

show system reset-reason <s0> <santa-cruz-range>

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
<i>s0</i>	Show xbar module reset reason
<i>santa-cruz-range</i>	please enter the xbar module number

Command Mode

- /exec

show system reset-reason module

show system reset-reason module <module>

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
module	Show per module reset-reason code
<i>module</i>	please enter module number

Command Mode

- /exec

show system resources

show system resources

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources

Command Mode

- /exec

show system resources all-modules

show system resources all-modules

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
all-modules	Show system resources for all available modules

Command Mode

- /exec

show system routing mode

show system routing mode

Syntax Description

show	Show running system information
system	Show system information
routing	Show routing related information
mode	Show mode related information

Command Mode

- /exec

show system security

show system security [common-criteria | consent-token]

Syntax Description

show	Show running system information
system	System Management commands
security	Security Management commands
common-criteria	(Optional) Show if common-criteria mode is enabled or disabled
consent-token	(Optional) Show if consent-token mode is enabled or disabled

Command Mode

- /exec

show system simulate fan-presence

show system simulate fan-presence

Syntax Description

show	Show running system information
system	System management commands
simulate	Simulate Fan Presence
fan-presence	Simulate Fan Presence

Command Mode

- /exec

show system standby manual-boot

show system standby manual-boot

Syntax Description

show	Show running system information
system	System-related show commands
standby	Displays system standby manual boot option
manual-boot	Displays system standby manual boot option

Command Mode

- /exec

show system switch-mode

show system switch-mode

Syntax Description

show	Show running system information
system	System-related show commands
switch-mode	Show current operational mode of the switch

Command Mode

- /exec

show system tech-support blocked-commands status

show system tech-support blocked-commands status

Syntax Description

show	Show running system information
system	Show system information
tech-support	Exec command for tech-supports
blocked-commands	List of show commands for exclusion from show tech-support commands
status	Displays the status of blocked-commands(Enabled/Disabled)

Command Mode

- /exec

show system uptime

show system uptime

Syntax Description

show	Show running system information
system	System-related show commands
uptime	Show how long the system has been up and running

Command Mode

- /exec

show system verify bios flash

```
show system verify bios { flash <i0> [ module <module> ] | protection <i1> [ module <module1> ] }
```

Syntax Description

show	Show running system information
system	System-related show commands
verify	Verify commands
bios	Verify bios
flash	verify bios flash or protection status
<i>i0</i>	Select primary or alternate flash
module	(Optional) Module number
<i>module</i>	(Optional) Enter module number
protection	verify bios flash or protection status
<i>i1</i>	Select primary or alternate flash
module	(Optional) Module number
<i>module1</i>	(Optional) Enter module number

Command Mode

- /exec

show system vlan reserved

show system vlan reserved

Syntax Description

show	Show running system information
system	system wide configuration
vlan	VLAN status
reserved	Show system VLAN allocation

Command Mode

- /exec

show system vlan reserved



T Show Commands

- [show table-map](#), on page 2273
- [show tacacs-server](#), on page 2274
- [show tacacs-server](#), on page 2275
- [show tacacs-server directed-request](#), on page 2276
- [show tacacs-server groups](#), on page 2277
- [show tacacs-server sorted](#), on page 2278
- [show tacacs-server statistics](#), on page 2279
- [show tech-support](#), on page 2280
- [show tech-support aaa](#), on page 2281
- [show tech-support acl](#), on page 2282
- [show tech-support aclmgr](#), on page 2283
- [show tech-support aclmgr compressed](#), on page 2284
- [show tech-support aclqos](#), on page 2285
- [show tech-support aclqos compressed](#), on page 2286
- [show tech-support adjmgr](#), on page 2287
- [show tech-support all](#), on page 2288
- [show tech-support all binary](#), on page 2289
- [show tech-support analytics](#), on page 2290
- [show tech-support app-hosting](#), on page 2291
- [show tech-support arp](#), on page 2292
- [show tech-support ascii-cfg](#), on page 2293
- [show tech-support assoc_mgr](#), on page 2294
- [show tech-support backup](#), on page 2295
- [show tech-support bcm](#), on page 2296
- [show tech-support bfd](#), on page 2297
- [show tech-support bgp](#), on page 2298
- [show tech-support biosd](#), on page 2299
- [show tech-support bloggerd-all](#), on page 2300
- [show tech-support bloggerd](#), on page 2301
- [show tech-support bootvar](#), on page 2302
- [show tech-support brief](#), on page 2303
- [show tech-support callhome](#), on page 2304
- [show tech-support cdp](#), on page 2305

- [show tech-support cert-enroll](#), on page 2306
- [show tech-support cfs](#), on page 2307
- [show tech-support cli](#), on page 2308
- [show tech-support clis](#), on page 2309
- [show tech-support clock_manager](#), on page 2310
- [show tech-support contracts](#), on page 2311
- [show tech-support controller](#), on page 2312
- [show tech-support copp](#), on page 2313
- [show tech-support cores](#), on page 2314
- [show tech-support dcbx](#), on page 2315
- [show tech-support details](#), on page 2316
- [show tech-support device-alias](#), on page 2317
- [show tech-support dhclient](#), on page 2318
- [show tech-support dhcp](#), on page 2319
- [show tech-support dme](#), on page 2320
- [show tech-support dot1x](#), on page 2321
- [show tech-support dpvm](#), on page 2322
- [show tech-support ecp](#), on page 2323
- [show tech-support eem](#), on page 2324
- [show tech-support eigrp](#), on page 2325
- [show tech-support eltm](#), on page 2326
- [show tech-support epbr](#), on page 2327
- [show tech-support epp](#), on page 2328
- [show tech-support ethpm](#), on page 2329
- [show tech-support ethport](#), on page 2330
- [show tech-support evb](#), on page 2331
- [show tech-support fabric forwarding](#), on page 2332
- [show tech-support fabric multicast](#), on page 2333
- [show tech-support fabricpath isis](#), on page 2334
- [show tech-support fabricpath topology](#), on page 2335
- [show tech-support fast-reload](#), on page 2336
- [show tech-support fc-fcoe](#), on page 2337
- [show tech-support fc2](#), on page 2338
- [show tech-support fc2](#), on page 2339
- [show tech-support fcdomain](#), on page 2340
- [show tech-support fcns](#), on page 2341
- [show tech-support fcs](#), on page 2342
- [show tech-support feature](#), on page 2343
- [show tech-support fib-all](#), on page 2344
- [show tech-support fib module](#), on page 2345
- [show tech-support fips](#), on page 2346
- [show tech-support flogi](#), on page 2347
- [show tech-support flow-redirect](#), on page 2348
- [show tech-support forwarding l2 multicast](#), on page 2349
- [show tech-support forwarding l2 multicast vdc-all](#), on page 2350
- [show tech-support forwarding l2 unicast](#), on page 2351

- [show tech-support forwarding l3 multicast](#), on page 2352
- [show tech-support forwarding l3 multicast detail](#), on page 2353
- [show tech-support forwarding l3 multicast detail vdc-all](#), on page 2354
- [show tech-support forwarding l3 multicast vdc-all](#), on page 2355
- [show tech-support forwarding l3 unicast](#), on page 2356
- [show tech-support forwarding l3 unicast detail](#), on page 2357
- [show tech-support forwarding l3 unicast detail vdc-all](#), on page 2358
- [show tech-support forwarding l3 unicast vdc-all](#), on page 2359
- [show tech-support forwarding mpls](#), on page 2360
- [show tech-support forwarding multicast](#), on page 2361
- [show tech-support forwarding multicast nat](#), on page 2362
- [show tech-support forwarding srv6](#), on page 2363
- [show tech-support frequency synchronization](#), on page 2364
- [show tech-support fspf](#), on page 2365
- [show tech-support fsync_mgr](#), on page 2366
- [show tech-support gold](#), on page 2367
- [show tech-support gpixm](#), on page 2368
- [show tech-support ha](#), on page 2369
- [show tech-support ha module](#), on page 2370
- [show tech-support ha_short](#), on page 2371
- [show tech-support ha standby](#), on page 2372
- [show tech-support hardware-telemetry](#), on page 2373
- [show tech-support hsrp](#), on page 2374
- [show tech-support hsrp brief](#), on page 2375
- [show tech-support icmpv6](#), on page 2376
- [show tech-support im](#), on page 2377
- [show tech-support imp](#), on page 2378
- [show tech-support inband counters](#), on page 2379
- [show tech-support include-time](#), on page 2380
- [show tech-support install](#), on page 2381
- [show tech-support interface-vlan](#), on page 2382
- [show tech-support interfaces all](#), on page 2383
- [show tech-support intersight](#), on page 2384
- [show tech-support ip](#), on page 2385
- [show tech-support ip igmp](#), on page 2386
- [show tech-support ip igmp snooping](#), on page 2387
- [show tech-support ip msdp](#), on page 2388
- [show tech-support ip pim](#), on page 2389
- [show tech-support ipqos](#), on page 2390
- [show tech-support ipv6](#), on page 2391
- [show tech-support ipv6 mfwd](#), on page 2392
- [show tech-support ipv6 mld](#), on page 2393
- [show tech-support ipv6 mld snooping](#), on page 2394
- [show tech-support ipv6 multicast](#), on page 2395
- [show tech-support ipv6 pim](#), on page 2396
- [show tech-support isis](#), on page 2397

- [show tech-support issu](#), on page 2398
- [show tech-support kstack](#), on page 2399
- [show tech-support l2](#), on page 2400
- [show tech-support l2fm](#), on page 2401
- [show tech-support l2fm clients](#), on page 2402
- [show tech-support l2fm detail](#), on page 2403
- [show tech-support l2fm l2dbg](#), on page 2404
- [show tech-support l2fm l2dbg](#), on page 2405
- [show tech-support l2rib](#), on page 2406
- [show tech-support l3vm](#), on page 2407
- [show tech-support l3vpn](#), on page 2408
- [show tech-support lacp](#), on page 2409
- [show tech-support ldap](#), on page 2410
- [show tech-support license](#), on page 2411
- [show tech-support lim](#), on page 2412
- [show tech-support lisp](#), on page 2413
- [show tech-support lldp](#), on page 2414
- [show tech-support logging](#), on page 2415
- [show tech-support m2rib](#), on page 2416
- [show tech-support macsec](#), on page 2417
- [show tech-support mdns](#), on page 2418
- [show tech-support memory](#), on page 2419
- [show tech-support mfw](#), on page 2420
- [show tech-support mmode](#), on page 2421
- [show tech-support module](#), on page 2422
- [show tech-support module all](#), on page 2423
- [show tech-support monitor](#), on page 2424
- [show tech-support monitor erspan](#), on page 2425
- [show tech-support monitorc-all](#), on page 2426
- [show tech-support mpls manager](#), on page 2427
- [show tech-support mpls oam](#), on page 2428
- [show tech-support mpls static](#), on page 2429
- [show tech-support mpls strip](#), on page 2430
- [show tech-support mpls switching](#), on page 2431
- [show tech-support mpls fwd](#), on page 2432
- [show tech-support multicast-vxlan-evpn](#), on page 2433
- [show tech-support multicast](#), on page 2434
- [show tech-support mvpn](#), on page 2435
- [show tech-support nat](#), on page 2436
- [show tech-support nbm](#), on page 2437
- [show tech-support nbm group](#), on page 2438
- [show tech-support netflow](#), on page 2439
- [show tech-support netstack](#), on page 2440
- [show tech-support netstack detail](#), on page 2441
- [show tech-support nexus9000v](#), on page 2442
- [show tech-support ngoam](#), on page 2443

- [show tech-support npacl](#), on page 2444
- [show tech-support npv](#), on page 2445
- [show tech-support ns](#), on page 2446
- [show tech-support ntp](#), on page 2447
- [show tech-support nve](#), on page 2448
- [show tech-support nxapi](#), on page 2449
- [show tech-support nxsdk](#), on page 2450
- [show tech-support object-store](#), on page 2451
- [show tech-support ofm](#), on page 2452
- [show tech-support ofm](#), on page 2453
- [show tech-support ospf](#), on page 2454
- [show tech-support ospfv3](#), on page 2455
- [show tech-support otv isis](#), on page 2456
- [show tech-support page](#), on page 2457
- [show tech-support patch](#), on page 2458
- [show tech-support pbr](#), on page 2459
- [show tech-support pfstat](#), on page 2460
- [show tech-support pie](#), on page 2461
- [show tech-support pixm-all](#), on page 2462
- [show tech-support pixm](#), on page 2463
- [show tech-support pixmc-all](#), on page 2464
- [show tech-support pktmgr](#), on page 2465
- [show tech-support platform-sdk](#), on page 2466
- [show tech-support platform](#), on page 2467
- [show tech-support plcmgr](#), on page 2468
- [show tech-support pltfm-config](#), on page 2469
- [show tech-support pnp](#), on page 2470
- [show tech-support poap](#), on page 2471
- [show tech-support poe](#), on page 2472
- [show tech-support port-channel](#), on page 2473
- [show tech-support port-client-all](#), on page 2474
- [show tech-support port-security](#), on page 2475
- [show tech-support port](#), on page 2476
- [show tech-support port](#), on page 2477
- [show tech-support private-vlan](#), on page 2478
- [show tech-support pss](#), on page 2479
- [show tech-support ptp](#), on page 2480
- [show tech-support radius](#), on page 2481
- [show tech-support rib](#), on page 2482
- [show tech-support rip](#), on page 2483
- [show tech-support routing](#), on page 2484
- [show tech-support routing ipv6](#), on page 2485
- [show tech-support routing ipv6 multicast](#), on page 2486
- [show tech-support routing multicast](#), on page 2487
- [show tech-support rpm](#), on page 2488
- [show tech-support rscn](#), on page 2489

- [show tech-support sal](#), on page 2490
- [show tech-support san-port-channel](#), on page 2491
- [show tech-support san](#), on page 2492
- [show tech-support satmgr](#), on page 2493
- [show tech-support security](#), on page 2494
- [show tech-support segment-routing](#), on page 2495
- [show tech-support services](#), on page 2496
- [show tech-support session-mgr](#), on page 2497
- [show tech-support sflow](#), on page 2498
- [show tech-support single-jericho](#), on page 2499
- [show tech-support sksd](#), on page 2500
- [show tech-support sla responder](#), on page 2501
- [show tech-support sla sender](#), on page 2502
- [show tech-support sla twamp-server](#), on page 2503
- [show tech-support slowdrain](#), on page 2504
- [show tech-support smm](#), on page 2505
- [show tech-support snmp](#), on page 2506
- [show tech-support sockets](#), on page 2507
- [show tech-support spm](#), on page 2508
- [show tech-support srte](#), on page 2509
- [show tech-support statsclient](#), on page 2510
- [show tech-support stp](#), on page 2511
- [show tech-support sup-filesys](#), on page 2512
- [show tech-support super-bridging](#), on page 2513
- [show tech-support sysmgr](#), on page 2514
- [show tech-support tacacs](#), on page 2515
- [show tech-support tamnw](#), on page 2516
- [show tech-support telemetry](#), on page 2517
- [show tech-support track](#), on page 2518
- [show tech-support transceiver](#), on page 2519
- [show tech-support trm-pd](#), on page 2520
- [show tech-support trm](#), on page 2521
- [show tech-support tunnel-encryption](#), on page 2522
- [show tech-support tunnel](#), on page 2523
- [show tech-support u2rib](#), on page 2524
- [show tech-support udld](#), on page 2525
- [show tech-support usd-all](#), on page 2526
- [show tech-support vdc](#), on page 2527
- [show tech-support virtual-service](#), on page 2528
- [show tech-support vlan](#), on page 2529
- [show tech-support vmtracker](#), on page 2530
- [show tech-support vpc](#), on page 2531
- [show tech-support vrrp](#), on page 2532
- [show tech-support vrrp brief](#), on page 2533
- [show tech-support vrrpv3](#), on page 2534
- [show tech-support vsan](#), on page 2535

- [show tech-support vshd](#), on page 2536
- [show tech-support vtp](#), on page 2537
- [show tech-support vvlan](#), on page 2538
- [show tech-support vxlan-evpn](#), on page 2539
- [show tech-support vxlan](#), on page 2540
- [show tech-support vxlan platform](#), on page 2541
- [show tech-support xbar](#), on page 2542
- [show tech-support xml](#), on page 2543
- [show tech-support xos](#), on page 2544
- [show tech-support zone](#), on page 2545
- [show telemetry config errors](#), on page 2546
- [show telemetry control database](#), on page 2547
- [show telemetry data collector brief](#), on page 2548
- [show telemetry dynamic configuration](#), on page 2549
- [show telemetry event collector stats](#), on page 2550
- [show telemetry pipeline stats](#), on page 2551
- [show telemetry port-counters](#), on page 2552
- [show telemetry syslog-filter](#), on page 2553
- [show telemetry transport](#), on page 2554
- [show telemetry transport](#), on page 2555
- [show telemetry usability](#), on page 2556
- [show telemetry yang direct-path cisco-nxos-device](#), on page 2557
- [show telnet server](#), on page 2558
- [show terminal](#), on page 2559
- [show terminal lock](#), on page 2560
- [show terminal output xml version](#), on page 2561
- [show time-range](#), on page 2562
- [show time-stamp hpt brief](#), on page 2563
- [show time-stamp running-config last-changed](#), on page 2564
- [show topology](#), on page 2565
- [show topology isl](#), on page 2566
- [show topology isl](#), on page 2567
- [show topology isl](#), on page 2568
- [show trace callhome](#), on page 2569
- [show track](#), on page 2570
- [show track brief](#), on page 2571
- [show troubleshoot l2 mac vlan](#), on page 2572
- [show troubleshoot l2 port-channel](#), on page 2573
- [show troubleshoot l3 vrf](#), on page 2574
- [show trunk protocol](#), on page 2575
- [show ttag brief](#), on page 2576
- [show ttag brief](#), on page 2577
- [show tunnel-encryption info global](#), on page 2578
- [show tunnel-encryption policy](#), on page 2579
- [show tunnel-encryption session](#), on page 2580
- [show tunnel-encryption statistics](#), on page 2581

- [show tunnel-profile](#), on page 2582

show table-map

```
show table-map [ <tmap-name> | <default-tmap-enum-name> ]
```

Syntax Description

show	Show running system information
table-map	Table maps
TABLE_tmap	(Optional) all tmap xml sessions
<i>tmap-name</i>	(Optional) Show a particular table map
<i>default-tmap-enum-name</i>	(Optional)

Command Mode

- /exec

show tacacs-server

show tacacs-server { <host0> }

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show tacacs-server

show tacacs-server

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information

Command Mode

- /exec

show tacacs-server directed-request

show tacacs-server directed-request

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
directed-request	Show directed server enable configuration

Command Mode

- /exec

show tacacs-server groups

show tacacs-server groups [<s0>]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
groups	Show TACACS+ server group configuration information
<i>s0</i>	(Optional) TACACS+ server group name

Command Mode

- /exec

show tacacs-server sorted

show tacacs-server sorted

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
sorted	Show TACACS+ servers sorted by server name

Command Mode

- /exec

show tacacs-server statistics

show tacacs-server statistics { <host0> }

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
statistics	Show TACACS statistics
<i>host0</i>	DNS name or IP address

Command Mode

- /exec

show tech-support

show tech-support { { [time-optimized] [forced] [debug-enable] } | [commands] }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
debug-enable	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
commands	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support aaa

show tech-support aaa

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
aaa	Display aaa information

Command Mode

- /exec

show tech-support acl

```
show tech-support acl [ { commands | detail [ commands ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
acl	Show information for acl technical support
commands	(Optional) Show commands run as part of acl technical support
detail	(Optional) Show detailed information for acl technical support
commands	(Optional) Show commands run as part of acl technical support

Command Mode

- /exec

show tech-support aclmgr

show tech-support aclmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclmgr compressed

show tech-support aclmgr compressed <uri0> [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
compressed	Save compressed aclqos technical support
<i>uri0</i>	Enter filename to store
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclqos

show tech-support aclqos

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support

Command Mode

- /exec

show tech-support aclqos compressed

show tech-support aclqos compressed <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support
compressed	Save compressed aclqos technical support
<i>uri0</i>	Enter filename to store

Command Mode

- /exec

show tech-support adjmgr

show tech-support adjmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
adjmgr	Display Adjmgr information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support all

show tech-support all { { [space-optimized] [time-optimized] } | [commands] }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
commands	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support all binary

show tech-support all binary <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
binary	Gather tech support for all applications in binary format
<i>uri0</i>	Select destination filesystem to save the binary output (NOTE: The output file name will be automatically generated and cannot be chosen)

Command Mode

- /exec

show tech-support analytics

show tech-support analytics [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
analytics	Show Analytics tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support app-hosting

show tech-support app-hosting [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
app-hosting	Gather detailed information for appmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support app-hosting commands

Command Mode

- /exec

show tech-support arp

show tech-support arp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
arp	Display ARP information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ascii-cfg

show tech-support ascii-cfg

Syntax Description

show	Show running system information
tech-support	Show information for technical support personnel
ascii-cfg	Show ascii-cfg information for technical support personnel

Command Mode

- /exec

show tech-support assoc_mgr

show tech-support assoc_mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
assoc_mgr	Gather detailed information for assoc_mgr troubleshooting

Command Mode

- /exec

show tech-support backup

show tech-support { backup | flexlink }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
backup	Gather detailed information for Switchport Backup troubleshooting
flexlink	Gather detailed information for Switchport Backup troubleshooting

Command Mode

- /exec

show tech-support bcm

show tech-support bcm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bcm	bcm hardware info

Command Mode

- /exec

show tech-support bfd

show tech-support bfd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bfd	BFD commands

Command Mode

- /exec

show tech-support bgp

show tech-support bgp [brief | detailed]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bgp	Display BGP status and configuration
brief	(Optional) Brief information
detailed	(Optional) Detailed information

Command Mode

- /exec

show tech-support biosd

show tech-support biosd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
biosd	Gather bios install log for trouble shooting

Command Mode

- /exec

show tech-support bloggerd-all

show tech-support bloggerd-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd-all	Gather detailed information for bloggerd troubleshooting from ALL modules

Command Mode

- /exec

show tech-support bloggerd

show tech-support bloggerd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd	Gather detailed information for bloggerd troubleshooting

Command Mode

- /exec

show tech-support bootvar

show tech-support bootvar

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bootvar	Gather detailed information for bootvar troubleshooting

Command Mode

- /exec

show tech-support brief

show tech-support brief [commands]

Syntax Description

show	Show running system summary information
tech-support	Gather information for troubleshooting
brief	Gather summary information for troubleshooting
commands	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support callhome

show tech-support callhome

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
callhome	callhome troubleshooting information

Command Mode

- /exec

show tech-support cdp

show tech-support cdp

Syntax Description

show	show running system information
tech-support	Gather information for troubleshooting
cdp	Gather information for CDP trouble shooting

Command Mode

- /exec

show tech-support cert-enroll

show tech-support cert-enroll

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
cert-enroll	Display certificates information

Command Mode

- /exec

show tech-support cfs

```
show tech-support cfs [ { commands | name <cfs-dyn-app-name> [ commands1 ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cfs	Gather detailed information for cfs troubleshooting
commands	(Optional) CFS show tech commands
name	(Optional) Gather detailed information of cfs for a specified application
<i>cfs-dyn-app-name</i>	(Optional) Registered name of the local application
commands1	(Optional) CFS application show tech commands

Command Mode

- /exec

show tech-support cli

show tech-support cli

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cli	Gather information for parser troubleshooting

Command Mode

- /exec

show tech-support clis

show tech-support clis [brief] [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clis	Gather information for CLI Server troubleshooting
brief	(Optional) Detailed information
commands	(Optional) Show commands executed as part of show tech-support clis

Command Mode

- /exec

show tech-support clock_manager

show tech-support clock_manager

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clock_manager	Gather detailed information for clock manager troubleshooting

Command Mode

- /exec

show tech-support contracts

show tech-support contracts

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
contracts	Gather detailed information for contract troubleshooting

Command Mode

- /exec

show tech-support controller

show tech-support controller

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
controller	Gather information for Controller troubleshooting

Command Mode

- /exec

show tech-support copp

show tech-support copp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
copp	Gather information for copp trouble shooting

Command Mode

- /exec

show tech-support cores

```
show tech-support cores [ filename { <uri0> | <uri1> [ vrf <vrf-known-name> ] } [ archive { <core-count> | all } ] ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cores	Debugging information for process crashes
filename	(Optional) Create a file with the process crash debugging information and latest core files. Default is show_tech_cores.tar.gz
<i>uri0</i>	(Optional) Destination file system, path, and filename
<i>uri1</i>	(Optional) Destination file system, path, and filename
vrf	(Optional) Enter the vrf name
<i>vrf-known-name</i>	(Optional) VRF name
archive	(Optional) Gather core files from the logflash archive not just the current ones to place in the compressed file
<i>core-count</i>	(Optional) Number of most recent archived core files to gather from logflash
all	(Optional) Attempt to gather all archived core files from logflash

Command Mode

- /exec

show tech-support dcbx

show tech-support dcbx

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dcbx	Gather detailed information for DCBX component

Command Mode

- /exec

show tech-support details

show tech-support details { { [space-optimized] [time-optimized] [debug-enable] } | [commands] }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
details	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
debug-enable	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
commands	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support device-alias

show tech-support device-alias

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
device-alias	Show device-alias technical support information

Command Mode

- /exec

show tech-support dhclient

show tech-support dhclient

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
dhclient	Gather information for dhclient trouble shooting

Command Mode

- /exec

show tech-support dhcp

show tech-support dhcp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dhcp	Gather detailed information for dhcp troubleshooting

Command Mode

- /exec

show tech-support dme

show tech-support dme [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dme	Gather detailed information for dme troubleshooting
commands	(Optional) Show commands executed as part of show tech-support dme

Command Mode

- /exec

show tech-support dot1x

show tech-support dot1x

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
dot1x	Display dot1x information

Command Mode

- /exec

show tech-support dpvm

show tech-support dpvm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dpvm	Show information for dpvm technical support

Command Mode

- /exec

show tech-support ecp

show tech-support ecp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ecp	ECP (Edge Control Protocol)

Command Mode

- /exec

show tech-support eem

show tech-support eem

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
eem	Show EEM tech-support information

Command Mode

- /exec

show tech-support eigrp

show tech-support eigrp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
eigrp	Display EIGRP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support eltm

show tech-support eltm [detail]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
eltm	eltm debug info
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support epbr

show tech-support epbr

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
epbr	EPBR

Command Mode

- /exec

show tech-support epp

show tech-support epp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
epp	Gather detailed information for EPP troubleshooting

Command Mode

- /exec

show tech-support ethpm

show tech-support ethpm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethpm	Gather detailed information for ETHPM troubleshooting

Command Mode

- /exec

show tech-support ethport

show tech-support ethport

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethport	Gather detailed information for ETHPORT troubleshooting

Command Mode

- /exec

show tech-support evb

show tech-support evb

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
evb	EVB (Edge Virtual Bridge)

Command Mode

- /exec

show tech-support fabric forwarding

show tech-support fabric forwarding

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show tech-support fabric multicast

show tech-support fabric multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
multicast	Multicast information

Command Mode

- /exec

show tech-support fabricpath isis

show tech-support fabricpath isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
fabricpath	fabricpath information
isis	Fabricpath IS-IS information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support fabricpath topology

show tech-support fabricpath topology [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabricpath	Gather detailed information for Fabricpath troubleshooting
topology	Gather detailed information for Topology troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support fast-reload

show tech-support fast-reload

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fast-reload	Gather information for troubleshooting fast-reload timings

Command Mode

- /exec

show tech-support fc-fcoe

show tech-support fc-fcoe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc-fcoe	Gather information for FC-FCOE mgr trouble shooting

Command Mode

- /exec

show tech-support fc2

show tech-support fc2 [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc2	Show information for fc2 technical support
commands	(Optional) Show commands run as part of fc2 technical support

Command Mode

- /exec

show tech-support fc2

show tech-support fc2 [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc2	Show information for fc2 technical support
commands	(Optional) Show commands run as part of fc2 technical support

Command Mode

- /exec

show tech-support fcdomain

show tech-support fcdomain [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcdomain	Gather detailed information for fcdomain troubleshooting
commands	(Optional) Show commands run as part of fcdomain technical support

Command Mode

- /exec

show tech-support fcns

show tech-support fcns [vsan <i0>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcns	Show information for fcns technical support
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show tech-support fcs

show tech-support fcs

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcs	Gather detailed information for fcs troubleshooting

Command Mode

- /exec

show tech-support feature

show tech-support feature [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
feature	Gather detailed information for feature troubleshooting
commands	(Optional) Show commands executed as part of show tech-support feature

Command Mode

- /exec

show tech-support fib-all

show tech-support fib-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fib-all	Gather detailed information for FC/FCoE FIB from all modules

Command Mode

- /exec

show tech-support fib module

show tech-support fib module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fib	Gather detailed information for FC/FCoE FIB troubleshooting
module	Gather info related to a fib
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support fips

show tech-support fips

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fips	show tech support information for security

Command Mode

- /exec

show tech-support flogi

show tech-support flogi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
flogi	Gather detailed information for flogi troubleshooting

Command Mode

- /exec

show tech-support flow-redirect

show tech-support flow-redirect

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
flow-redirect	Pacl wide mtc ndb redirect

Command Mode

- /exec

show tech-support forwarding l2 multicast

show tech-support forwarding l2 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l2 multicast vdc-all

show tech-support forwarding l2 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l2 unicast

show tech-support forwarding l2 unicast [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
forwarding	Forwarding debug info
l2	layer 2 debug info
unicast	unicast
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support forwarding l3 multicast

show tech-support forwarding l3 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l3 multicast detail

show tech-support forwarding l3 multicast detail

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail

Command Mode

- /exec

show tech-support forwarding l3 multicast detail vdc-all

show tech-support forwarding l3 multicast detail vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 multicast vdc-all

show tech-support forwarding l3 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 unicast

show tech-support forwarding l3 unicast [module <module>] [list]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
module	(Optional) module
<i>module</i>	(Optional) module number
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support forwarding l3 unicast detail

show tech-support forwarding l3 unicast detail [module <module>] [list]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
module	(Optional) module
<i>module</i>	(Optional) module number
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support forwarding l3 unicast detail vdc-all

show tech-support forwarding l3 unicast detail vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
vdc-all	vdc-all
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding l3 unicast vdc-all

show tech-support forwarding l3 unicast vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
vdc-all	vdc-all
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding mpls

show tech-support forwarding mpls [module <module>] [evpn]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
mpls	mpls related information
module	(Optional) module
<i>module</i>	(Optional) module number
evpn	(Optional) evpn related tech support

Command Mode

- /exec

show tech-support forwarding multicast

show tech-support forwarding multicast [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support forwarding multicast nat

show tech-support forwarding multicast nat

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
nat	Inat/Enat debug information

Command Mode

- /exec

show tech-support forwarding srv6

show tech-support forwarding srv6 [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
srv6	srv6 debug information
module	(Optional) module
<i>module</i>	(Optional) module number

Command Mode

- /exec

show tech-support frequency synchronization

show tech-support frequency synchronization

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
frequency	Gather detailed information for frequency synchronization troubleshooting
synchronization	Gather detailed information for frequency synchronization troubleshooting

Command Mode

- /exec

show tech-support fspf

show tech-support fspf [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fspf	Show information for fspf technical support
commands	(Optional) Show commands run as part of fspf technical support

Command Mode

- /exec

show tech-support fsync_mgr

show tech-support fsync_mgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
fsync_mgr	Gather information for fsync_mgr troubleshooting
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support gold

show tech-support gold

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
gold	Show gold tech-support information

Command Mode

- /exec

show tech-support gpixm

show tech-support gpixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
gpixm	Gather detailed information for GLOBAL-PIXM troubleshooting

Command Mode

- /exec

show tech-support ha

show tech-support ha [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha module

show tech-support ha module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
module	Gather info related to a module
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support ha_short

show tech-support ha_short [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha_short	Gather shortened version of HA tech-support for troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha standby

show tech-support ha standby [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
standby	Gather detailed information for HA troubleshooting from standby supervisor
commands	(Optional) Show commands executed as part of show tech-support ha standby commands

Command Mode

- /exec

show tech-support hardware-telemetry

show tech-support hardware-telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
hardware-telemetry	Hardware Telemetry Information

Command Mode

- /exec

show tech-support hsrp

show tech-support hsrp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information

Command Mode

- /exec

show tech-support hsrp brief

show tech-support hsrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information
brief	Show tech-support information in brief

Command Mode

- /exec

show tech-support icmpv6

show tech-support icmpv6 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
icmpv6	Display Icmpv6 information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support im

show tech-support im

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
im	Gather detailed information for IM troubleshooting

Command Mode

- /exec

show tech-support imp

show tech-support imp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
imp	IMP commands

Command Mode

- /exec

show tech-support inband counters

show tech-support inband counters

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
inband	Gather all information about inband data path
counters	Gather all counters in inband data path

Command Mode

- /exec

show tech-support include-time

show tech-support include-time

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
include-time	Gather tech-support and capture time taken to execute each command

Command Mode

- /exec

show tech-support install

show tech-support install

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
install	Gather detailed information for rpm/package install operation

Command Mode

- /exec

show tech-support interface-vlan

show tech-support interface-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interface-vlan	Gather detailed information for interface-vlan troubleshooting

Command Mode

- /exec

show tech-support interfaces all

show tech-support interfaces all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interfaces	Gather information for interfaces troubleshooting
all	Gather detailed information for interfaces troubleshooting

Command Mode

- /exec

show tech-support intersight

show tech-support intersight

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
intersight	intersight tech support

Command Mode

- /exec

show tech-support ip

show tech-support ip [brief | static-routes]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
brief	(Optional) Brief information
static-routes	(Optional) Static-Routes information

Command Mode

- /exec

show tech-support ip igmp

show tech-support ip igmp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip igmp snooping

show tech-support ip igmp snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip msdp

show tech-support ip msdp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
msdp	Display MSDP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip pim

show tech-support ip pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
pim	PIM global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipqos

show tech-support ipqos [server-only] [all] [snmp]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from IP QoS Manager server only
all	(Optional) Dump the tech-support information IP QoS Manager plus brief summary of system
snmp	(Optional) Dump the tech-support information only from IP QoS Manager server only (SNMP only)

Command Mode

- /exec

show tech-support ipv6

show tech-support ipv6 [brief | static-routes]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
brief	(Optional) Brief information
static-routes	(Optional) Static-Routes information

Command Mode

- /exec

show tech-support ipv6 mfw

show tech-support ipv6 mfw [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mfw	Display MCASTFWD v6 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld

show tech-support ipv6 mld [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld snooping

show tech-support ipv6 mld snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
snooping	MLD Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 multicast

show tech-support ipv6 multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
multicast	Display V6 Multicast information

Command Mode

- /exec

show tech-support ipv6 pim

show tech-support ipv6 pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support isis

show tech-support isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support issu

show tech-support issu [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
issu	Gather detailed information for issu troubleshooting
commands	(Optional) Show commands executed as part of show tech-support issu command

Command Mode

- /exec

show tech-support kstack

show tech-support kstack

Syntax Description

show	
tech-support	tech-support information
kstack	kstack information

Command Mode

- /exec

show tech-support l2

show tech-support l2

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2	Gather detailed information for layer 2 troubleshooting

Command Mode

- /exec

show tech-support l2fm

show tech-support l2fm

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info

Command Mode

- /exec

show tech-support l2fm clients

show tech-support l2fm clients [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
clients	debug info of l2fm clients only running on linecard(mtm)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm detail

show tech-support l2fm detail [module <module>] [list]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
detail	All info related to l2fm
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
list	(Optional) List the commands, without executing them
<i>module</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
<i>module</i>	(Optional) Module Number

Command Mode

- /exec

show tech-support l2rib

show tech-support l2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2rib	Display L2RIB information

Command Mode

- /exec

show tech-support l3vm

show tech-support l3vm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vm	Display VRF information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support l3vpn

show tech-support l3vpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vpn	BGP l3vpn information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lacp

show tech-support lacp [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lacp	Gather detailed information for LACP component
all	(Optional) Gather detailed information of LACP and related components

Command Mode

- /exec

show tech-support ldap

show tech-support ldap

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
ldap	Display ldap information

Command Mode

- /exec

show tech-support license

show tech-support license

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
license	Display licensing information

Command Mode

- /exec

show tech-support lim

show tech-support lim

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lim	Gather detailed information for LIM troubleshooting

Command Mode

- /exec

show tech-support lisp

show tech-support lisp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lisp	LISP show commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lldp

show tech-support lldp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lldp	Gather detailed information for LLDP troubleshooting

Command Mode

- /exec

show tech-support logging

show tech-support logging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
logging	Show information on logging for technical support staff

Command Mode

- /exec

show tech-support m2rib

show tech-support m2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
m2rib	Gather detailed information for M2RIB troubleshooting

Command Mode

- /exec

show tech-support macsec

show tech-support macsec [detail] [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
macsec	macsec debug info
detail	(Optional) All info related to MACsec
module	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>module</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support mdns

show tech-support mdns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mdns	mDNS

Command Mode

- /exec

show tech-support memory

show tech-support memory

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
memory	Gather detailed information of memory for Kernal debugging

Command Mode

- /exec

show tech-support mfwd

show tech-support mfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mfwd	Display MCASTFWD status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mmode

show tech-support mmode

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mmode	Gather information for troubleshooting mmode

Command Mode

- /exec

show tech-support module

show tech-support module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
<i>module</i>	Enter module number

Command Mode

- /exec

show tech-support module all

show tech-support module all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
all	Gather info related to all modules in the system

Command Mode

- /exec

show tech-support monitor

show tech-support monitor [list]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support monitor erspan

show tech-support monitor erspan [list]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting
erspan	Gather detailed information for erspan session troubleshooting
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support monitorc-all

show tech-support monitorc-all [list]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitorc-all	Gather detailed information for LC MONITORC troubleshooting
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support mpls manager

{ show tech-support mpls manager }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	MPLS
manager	MPLS-Mgr

Command Mode

- /exec

show tech-support mpls oam

show tech-support mpls oam

Syntax Description

show	Show running system information
tech-support	Gather MPLS OAM information
mpls	Display MPLS status and configuration
oam	Gather MPLS OAM information

Command Mode

- /exec

show tech-support mpls static

show tech-support mpls static [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
static	Display STATIC configuration and status for troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mpls strip

show tech-support mpls strip

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	MPLS
strip	Gather MPLS label strip troubleshooting info

Command Mode

- /exec

show tech-support mpls switching

show tech-support mpls switching

Syntax Description

show	Show running system information
tech-support	Gather MPLS switching information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database

Command Mode

- /exec

show tech-support mpls fwd

show tech-support mpls fwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mplsfwd	Display MPLS forwarding information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support multicast-vxlan-evpn

show tech-support multicast-vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
multicast-vxlan-evpn	Multicast VxLAN EVPN feature

Command Mode

- /exec

show tech-support multicast

show tech-support [ip | ipv4] multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information

Command Mode

- /exec

show tech-support mvpn

show tech-support mvpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mvpn	Display Multicast VPN information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support nat

show tech-support nat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nat	Gather information for troubleshooting NAT

Command Mode

- /exec

show tech-support nbm

show tech-support nbm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
brief	(Optional) Minimal information

Command Mode

- /exec

show tech-support nbm group

show tech-support nbm group <grp> [source <src>] [vrf { <vrf-name> | <nbm-vrf-known-name> | all }]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
group	Multicast group
<i>grp</i>	Multicast group address
source	(Optional) Source IP address
<i>src</i>	(Optional) Source unicast IP address
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

show tech-support netflow

show tech-support netflow [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
netflow	Show NetFlow tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support netstack

show tech-support netstack

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support netstack detail

show tech-support netstack detail

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting
detail	Gather detailed information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support nexus9000v

show tech-support nexus9000v

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nexus9000v	Gather information for Nexus 9000v virtualization infrastructure trouble shooting

Command Mode

- /exec

show tech-support ngoam

show tech-support ngoam

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
ngoam	ngoam

Command Mode

- /exec

show tech-support npacl

show tech-support npacl [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npacl	Display npacl information
brief	(Optional) Brief npacl information

Command Mode

- /exec

show tech-support npv

show tech-support npv

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npv	Show information for NPV technical support staff

Command Mode

- /exec

show tech-support ns

show tech-support ns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ns	Gather detailed information for northstar asic

Command Mode

- /exec

show tech-support ntp

show tech-support ntp

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
ntp	Gather information for NTP trouble shooting

Command Mode

- /exec

show tech-support nve

show tech-support nve

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nve	Display NVE information

Command Mode

- /exec

show tech-support nxapi

show tech-support nxapi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxapi	Gather detailed information for nxapi troubleshooting

Command Mode

- /exec

show tech-support nxsdk

show tech-support nxsdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxsdk	NXOS SDK

Command Mode

- /exec

show tech-support object-store

show tech-support object-store

Syntax Description

show	Show Object Store
tech-support	Gather information for troubleshooting
object-store	Gather information from object store for Controller troubleshooting

Command Mode

- /exec

show tech-support ofm

show tech-support ofm [server-only] [flow-interface] [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from Overlay Flow Manager server only
flow-interface	(Optional) Dump the tech-support info for OFM ELTM IFTMC and SDK components
all	(Optional) Dump the tech-support information OFM plus brief summary of system

Command Mode

- /exec

show tech-support ofm

show tech-support ofm [vni-interface]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ofm	Overlay Flow Manager
vni-interface	(Optional) Dump the tech-support info for OFM vni-intf

Command Mode

- /exec

show tech-support ospf

show tech-support ospf [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospf	Display OSPF status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ospfv3

show tech-support ospfv3 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospfv3	Display OSPFv3 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support otv isis

show tech-support otv isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
otv	IS-IS events
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support page

show tech-support page [time-optimized] [forced]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
page	Page through the output
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show tech-support patch

show tech-support patch

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
patch	Gather detailed information for patch troubleshooting

Command Mode

- /exec

show tech-support pbr

{ show tech-support pbr }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pbr	Display Policy Based Routing (PBR) information

Command Mode

- /exec

show tech-support pfstat

show tech-support pfstat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pfstat	Gather detailed information for pfstat troubleshooting

Command Mode

- /exec

show tech-support pie

show tech-support pie

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pie	Gather detailed information of feature pie debugging

Command Mode

- /exec

show tech-support pixm-all

show tech-support pixm-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm-all	Gather detailed information for PIXM troubleshooting

Command Mode

- /exec

show tech-support pixm

show tech-support pixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm	Gather detailed information for vdc-local-PIXM troubleshooting

Command Mode

- /exec

show tech-support pixmc-all

show tech-support pixmc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixmc-all	Gather detailed information for LC PIXMC troubleshooting

Command Mode

- /exec

show tech-support pktmgr

show tech-support pktmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pktmgr	Display Packet Manager information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support platform-sdk

show tech-support platform-sdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform-sdk	Gather detailed information for platform-sdk troubleshooting

Command Mode

- /exec

show tech-support platform

show tech-support platform

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform	Get platform related information

Command Mode

- /exec

show tech-support plcmgr

show tech-support plcmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
plcmgr	Policy Manager
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support pltfm-config

show tech-support pltfm-config

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pltfm-config	Gather detailed information for pltfm-config troubleshooting

Command Mode

- /exec

show tech-support pnp

show tech-support pnp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pnp	Show Technical support for Plug and Play

Command Mode

- /exec

show tech-support poap

show tech-support poap

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poap	Gather detailed information for poap troubleshooting

Command Mode

- /exec

show tech-support poe

show tech-support poe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poe	Gather information for PoE trouble shooting

Command Mode

- /exec

show tech-support port-channel

show tech-support port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-channel	Gather detailed information for port channel troubleshooting

Command Mode

- /exec

show tech-support port-client-all

show tech-support port-client-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-client-all	Gather detailed information for LC port client troubleshooting

Command Mode

- /exec

show tech-support port-security

show tech-support port-security

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
port-security	Port security related command

Command Mode

- /exec

show tech-support port

show tech-support port

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port	Gather detailed information for port manager troubleshooting

Command Mode

- /exec

show tech-support port

show tech-support { port-profile | config-profile }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-profile	Gather information for troubleshooting port-profiles
config-profile	Gather information for troubleshooting config-profiles

Command Mode

- /exec

show tech-support private-vlan

show tech-support private-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
private-vlan	Gather detailed information for private-vlan troubleshooting

Command Mode

- /exec

show tech-support pss

show tech-support pss

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pss	Gather detailed information for PSS troubleshooting

Command Mode

- /exec

show tech-support ptp

show tech-support ptp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ptp	Gather detailed information for PTP troubleshooting

Command Mode

- /exec

show tech-support radius

show tech-support radius

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
radius	Display radius information

Command Mode

- /exec

show tech-support rib

show tech-support rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rib	Gather detailed information for rib troubleshooting

Command Mode

- /exec

show tech-support rip

show tech-support rip [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rip	Display RIP routing protocol status
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing

show tech-support routing [ip | ipv4] [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6

show tech-support routing ipv6 [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6 multicast

show tech-support routing ipv6 multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display V6 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support routing multicast

show tech-support routing [ip | ipv4] multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support rpm

```
{ show tech-support rpm }
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rpm	Display Route Policy Manager (RPM) information

Command Mode

- /exec

show tech-support rscn

show tech-support rscn [vsan <i0>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	(Optional) Show technical support information for a specified vsan
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show tech-support sal

show tech-support sal

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sal	Show SAL tech-support information

Command Mode

- /exec

show tech-support san-port-channel

show tech-support san-port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san-port-channel	Gather detailed information for san port channel troubleshooting

Command Mode

- /exec

show tech-support san

show tech-support san

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san	Gather information for SAN trouble shooting

Command Mode

- /exec

show tech-support satmgr

show tech-support satmgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
satmgr	Gather detailed information for satmgr troubleshooting

Command Mode

- /exec

show tech-support security

show tech-support security

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
security	show tech support information for security

Command Mode

- /exec

show tech-support segment-routing

show tech-support segment-routing

Syntax Description

show	Show running system information
tech-support	Gather tech-support information
segment-routing	Segment-routing tech-support

Command Mode

- /exec

show tech-support services

show tech-support services [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
services	Services
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support session-mgr

show tech-support session-mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
session-mgr	Gather information for troubleshooting session manager

Command Mode

- /exec

show tech-support sflow

show tech-support sflow

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sflow	Gather detailed information for sflow feature

Command Mode

- /exec

show tech-support single-jericho

show tech-support single-jericho

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
single-jericho	Gather detailed information for single-jericho troubleshooting

Command Mode

- /exec

show tech-support sksd

show tech-support sksd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sksd	show tech support information for sksd

Command Mode

- /exec

show tech-support sla responder

show tech-support sla responder [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
responder	Configure sla-responder tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla sender

show tech-support sla sender [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
sender	Configure sla-sender tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla twamp-server

show tech-support sla twamp-server [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
twamp-server	Configure sla-twamp-server tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support slowdrain

show tech-support slowdrain [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
slowdrain	Gather detailed information for slowdrain troubleshooting
commands	(Optional) Show commands executed as part of show tech-support slowdrain command

Command Mode

- /exec

show tech-support smm

show tech-support smm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
smm	Shared memory

Command Mode

- /exec

show tech-support snmp

show tech-support snmp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
snmp	Gather info related to snmp

Command Mode

- /exec

show tech-support sockets

show tech-support sockets [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sockets	Display sockets status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support spm

show tech-support spm [<application>] [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
spm	Service Policy Manager
<i>application</i>	(Optional) Specify an application
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support srte

show tech-support srte

Syntax Description

show	Show running system information
tech-support	Gather SRTE information
srte	Segment-Routing Traffic Eng

Command Mode

- /exec

show tech-support statsclient

show tech-support statsclient [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
statsclient	Gather statsclient tech-support
module	(Optional) Gather info related to one module
<i>module</i>	(Optional) Enter module number

Command Mode

- /exec

show tech-support stp

show tech-support stp [list]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
stp	Gather detailed information for STP troubleshooting
list	(Optional) list the commands, without executing them

Command Mode

- /exec

show tech-support sup-filesys

show tech-support sup-filesys

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sup-filesys	File-sys related issue

Command Mode

- /exec

show tech-support super-bridging

show tech-support super-bridging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
super-bridging	Gather detailed information for super-bridging troubleshooting

Command Mode

- /exec

show tech-support sysmgr

show tech-support sysmgr [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sysmgr	Gather detailed information for sysmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support sysmgr

Command Mode

- /exec

show tech-support tacacs

show tech-support tacacs +

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting

Command Mode

- /exec

show tech-support tamnw

show tech-support tamnw

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
tamnw	Show information for TAM technical support

Command Mode

- /exec

show tech-support telemetry

show tech-support telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
telemetry	Gather information for telemetry troubleshooting

Command Mode

- /exec

show tech-support track

show tech-support track

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
track	Show track tech-support information

Command Mode

- /exec

show tech-support transceiver

show tech-support transceiver

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
transceiver	Gather detailed information for transceiver

Command Mode

- /exec

show tech-support trm-pd

show tech-support trm-pd [detail]

Syntax Description

show	Show tech-support
tech-support	Gather information for troubleshooting
trm-pd	TRM platform components
detail	(Optional) Display detailed TRM PD

Command Mode

- /exec

show tech-support trm

show tech-support trm [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
trm	Tenant Routed Multicast information
detail	(Optional) Detailed tech-support for all components

Command Mode

- /exec

show tech-support tunnel-encryption

show tech-support tunnel-encryption [detail]

Syntax Description

tech-support	Gather information for troubleshooting
tunnel-encryption	Gather information for Tunnel-Encryption troubleshooting
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support tunnel

```
show tech-support tunnel [ { commands | detail [ commands1 ] } ]
```

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
tunnel	Gather detailed information for tunnel troubleshooting
commands	(Optional) Lists commands under 'show tunnel tech-support' command
detail	(Optional) Gather detailed information for tunnel troubleshooting
commands1	(Optional) Lists commands under 'Show tech-support tunnel detail' commands

Command Mode

- /exec

show tech-support u2rib

show tech-support u2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
u2rib	Gather detailed information for U2RIB troubleshooting

Command Mode

- /exec

show tech-support udd

show tech-support udd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
udd	Gather detailed information for udd troubleshooting

Command Mode

- /exec

show tech-support usd-all

show tech-support usd-all [time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
usd-all	Gather detailed information for LC USD troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space

Command Mode

- /exec

show tech-support vdc

show tech-support vdc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vdc	Gather detailed information for VDC troubleshooting

Command Mode

- /exec

show tech-support virtual-service

show tech-support virtual-service

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
virtual-service	Gather information for virtualization services trouble shooting

Command Mode

- /exec

show tech-support vlan

show tech-support vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vlan	Gather detailed information for VLAN troubleshooting

Command Mode

- /exec

show tech-support vmtracker

show tech-support vmtracker

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vmtracker	VMTRACKER commands

Command Mode

- /exec

show tech-support vpc

show tech-support vpc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vpc	Gather detailed information for VPC troubleshooting

Command Mode

- /exec

show tech-support vrrp

show tech-support vrrp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support

Command Mode

- /exec

show tech-support vrrp brief

show tech-support vrrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support
brief	Show information for vrrp technical support in brief

Command Mode

- /exec

show tech-support vrrpv3

show tech-support vrrpv3 [detail]

Syntax Description

vrrpv3	VRRPv3 configuration commands
show	Show running system information
tech-support	Gather information for trouble shooting
detail	(Optional) Detailed output

Command Mode

- /exec

show tech-support vsan

show tech-support vsan [<i0> | commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	Gather detailed information for vsan troubleshooting
<i>i0</i>	(Optional) VSAN id range
commands	(Optional) Show commands run as part of vsan technical support

Command Mode

- /exec

show tech-support vshd

show tech-support vshd

Syntax Description

show	Show running system information
tech-support	Show information for technical support
vshd	Show vshd information for technical support

Command Mode

- /exec

show tech-support vtp

show tech-support vtp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vtp	Gather detailed information for vtp troubleshooting

Command Mode

- /exec

show tech-support vvlan

show tech-support vvlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vvlan	Gather detailed information for Voice VLAN troubleshooting

Command Mode

- /exec

show tech-support vxlan-evpn

show tech-support vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
vxlan-evpn	VxLAN evpn feature

Command Mode

- /exec

show tech-support vxlan

show tech-support vxlan

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
vxlan	VxLAN feature

Command Mode

- /exec

show tech-support vxlan platform

show tech-support vxlan platform

Syntax Description

show	Show tech-support
tech-support	Gather information for troubleshooting
vxlan	VxLAN components
platform	VxLAN platform components

Command Mode

- /exec

show tech-support xbar

show tech-support xbar

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
xbar	Show xbar tech-support information

Command Mode

- /exec

show tech-support xml

show tech-support xml

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
xml	Gather information for xml trouble shooting

Command Mode

- /exec

show tech-support xos

show tech-support xos [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
xos	Cross-OS Library Information and Traces
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support zone

show tech-support zone [[commands] [vsan <i0>]]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
zone	Show information for zoneserver technical support
vsan	(Optional) Show technical support information for a specified vsan
commands	(Optional) Show tech-support commands for zoneserver
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show telemetry config errors

show telemetry config errors

Syntax Description

show	Show running system information
telemetry	Show telemetry info
config	config errors information
errors	show telemetry configuration errors information

Command Mode

- /exec

show telemetry control database

```
show telemetry control { database [ subscriptions | destination-groups | destinations | [ { [ sensor-paths | sensor-groups ] [ detail ] } ] ] | stats }
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
control	Show telemetry control
database	Show database
subscriptions	(Optional) Show subscriptions
destination-groups	(Optional) Show destination-groups
destinations	(Optional) Show destinations
sensor-paths	(Optional) Show sensor-paths
sensor-groups	(Optional) Show sensor-groups
detail	(Optional) Show completed id
stats	Show stats

Command Mode

- /exec

show telemetry data collector brief

show telemetry data collector { brief | details }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
data	Show telemetry data info
collector	Show telemetry data collector info
brief	Show component level data collection stats
details	Show path level data collection stats

Command Mode

- /exec

show telemetry dynamic configuration

show telemetry dynamic configuration

Syntax Description

show	Show information
telemetry	Show telemetry info
dynamic	Show telemetry dynamic configuration
configuration	Show telemetry dynamic configuration

Command Mode

- /exec

show telemetry event collector stats

show telemetry event collector { stats | errors }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
event	Show telemetry event info
collector	Show telemetry event collector info
stats	Show all tm stat info
errors	Show all tm error info

Command Mode

- /exec

show telemetry pipeline stats

show telemetry pipeline stats

Syntax Description

show	Show running system information
telemetry	Show telemetry info
pipeline	Show telemetry pipeline info
stats	Show all telemetry pipeline stats

Command Mode

- /exec

show telemetry port-counters

show telemetry port-counters [interface <if_name>]

Syntax Description

show	Show information
telemetry	Show telemetry info
port-counters	Show telemetry port-counters
interface	(Optional) Show telemetry port-counters interface
<i>if_name</i>	(Optional) Physical interface

Command Mode

- /exec

show telemetry syslog-filter

show telemetry syslog-filter

Syntax Description

show	Show running system information
telemetry	Show telemetry info
syslog-filter	syslog filter information

Command Mode

- /exec

show telemetry transport

show telemetry transport { sessions | stats | errors | all }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
stats	Show all tm stat info
errors	Show all tm error info
sessions	Show transport sessions info
all	Show all transport info

Command Mode

- /exec

show telemetry transport

```
show telemetry transport [ { <session_id> [ { stats | errors | kafka-info | dialin-stream } ] | kafka } ]
```

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
<i>session_id</i>	(Optional) Session id
stats	(Optional) Show all tm stat info
errors	(Optional) Show all tm error info
kafka	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
kafka-info	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
dialin-stream	(Optional) Show dialin stream info

Command Mode

- /exec

show telemetry usability

show telemetry usability { all | environment | interface | vxlan | resources }

Syntax Description

show	Show running system information
telemetry	Show telemetry info
usability	Usability path information
all	show all the usability path query information
environment	show environment query information
interface	show interface query information
vxlan	show vxlan query information
resources	show system resources query information

Command Mode

- /exec

show telemetry yang direct-path cisco-nxos-device

show telemetry yang direct-path cisco-nxos-device

Syntax Description

show	Show running system information
telemetry	Show telemetry info
yang	yang direct path information
direct-path	yang direct path information
cisco-nxos-device	show cisco nxos device direct path information

Command Mode

- /exec

show telnet server

show telnet server

Syntax Description

show	Show running system information
telnet	Show telnet server configuration
server	Show telnet server configuration

Command Mode

- /exec

show terminal

show terminal

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters

Command Mode

- /exec

show terminal lock

show terminal lock

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters
lock	Display the session holding the terminal lock

Command Mode

- /exec

show terminal output xml version

show terminal output xml version

Syntax Description

show	Show running system information
terminal	Display
output	Display
xml	Display
version	Display

Command Mode

- /exec

show time-range

show time-range [<time_range_name>]

Syntax Description

show	Show running system information
time-range	Define time range entries
<i>time_range_name</i>	(Optional) Time range name

Command Mode

- /exec

show time-stamp hpt brief

show time-stamp hpt brief

Syntax Description

time-stamp	timestamping
hpt	high precision timestamping
brief	port hpt state list

Command Mode

- /exec

show time-stamp running-config last-changed

show time-stamp running-config last-changed

Syntax Description

show	Show running system information
time-stamp	Time running-config last changed
running-config	Current operating configuration
last-changed	Running configuration last changed

Command Mode

- /exec

show topology

show topology [vsan <i0>]

Syntax Description

show	Show running system information
topology	Show information of connected switches
vsan	(Optional) Enter VSAN
<i>i0</i>	(Optional) VSAN id

Command Mode

- /exec

show topology isl

show topology isl [detail]

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show topology isl

```
show topology isl [ [ vsan <i0> ] [ detail ] ]
```

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
vsan	(Optional) Specify the vsan id
<i>i0</i>	(Optional) VSAN id range
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show topology isl

show topology isl [[san-port-channel <i1>] [detail]]

Syntax Description

show	Show running system information
topology	Show information of connected switches
isl	Show isl
san-port-channel	(Optional) Specify the san-port-channel
<i>i1</i>	(Optional) san-port-channel number
detail	(Optional) Gives detailed information on isl

Command Mode

- /exec

show trace callhome

show trace callhome

Syntax Description

show	Show XOS trace information
trace	Show logging configuration and contents of logfile
callhome	Show callhome logging configuration

Command Mode

- /exec

show track

show track { [<object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage] } [dynamic]

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage

Command Mode

- /exec

show track brief

show track { [<object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage] } [dynamic] brief

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
dynamic	(Optional) Entry created by client through API
<i>object-id</i>	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
brief	Brief output

Command Mode

- /exec

show troubleshoot l2 mac vlan

show troubleshoot l2 mac <mac-addr> vlan <vlan-id> [detail]

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
mac	MAC address
<i>mac-addr</i>	address
vlan	Vlan ID
<i>vlan-id</i>	vlan number
detail	(Optional) Print detailed debugging info for mac/interface

Command Mode

- /exec

show troubleshoot l2 port-channel

```
show troubleshoot l2 port-channel [ interface <ch-id> ]
```

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
port-channel	Switched Port Channel
interface	(Optional) Interface
<i>ch-id</i>	(Optional) Port-Channel name

Command Mode

- /exec

show troubleshoot l3 vrf

```
show troubleshoot l3 { ipv4 { <dip4-prefix> | <ip-prefix> } [ src-ip <sip4-prefix> ] | ipv6 { <dip6-prefix> | <ip6-prefix> } [ src-ip <sip6-prefix> ] } vrf <vrf-name>
```

Syntax Description

show	
troubleshoot	Display troubleshoot data dump
l3	Display l3 information
ipv4	Choose IPv4 address
ipv6	Choose IPv6 address
<i>dip4-prefix</i>	Display single exact match route for Destination IP
<i>ip-prefix</i>	Display single exact match route, specify prefix/mask
vrf	check routes for a specific VRF
<i>vrf-name</i>	vrf name
src-ip	(Optional) Source IP for routing hash CLI
<i>sip4-prefix</i>	(Optional) Source IPv4 address

Command Mode

- /exec

show trunk protocol

show trunk protocol

Syntax Description

show	Show running system information
trunk	Show trunk information
protocol	Show trunk protocol information

Command Mode

- /exec

show ttag brief

show ttag brief

Syntax Description

ttag	enable ingress packet with outer ttag on this interface
brief	ttag port in brief list

Command Mode

- /exec

show ttag brief

show ttag brief

Syntax Description

ttag	enable ingress packet with ttag on this interface
brief	ttag port in brief list

Command Mode

- /exec

show tunnel-encryption info global

show tunnel-encryption info global

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-encryption manager information
info	Show information
global	Show tunnel global information

Command Mode

- /exec

show tunnel-encryption policy

show tunnel-encryption policy [<policy_name>]

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-encryption manager information
policy	Show Tunnel-Encryption policy information
<i>policy_name</i>	(Optional) Name of Tunnel-encryption Policy

Command Mode

- /exec

show tunnel-encryption session

show tunnel-encryption session [peer-ip <peer_ipaddress_v4>] [detail]

Syntax Description

show	Show running system information
tunnel-encryption	Show Tunnel-Encryption Manager information
session	Show session information
peer-ip	(Optional) Specify peer-address
<i>peer_ipaddress_v4</i>	(Optional) IP Address in format A.B.C.D
detail	(Optional) Show sessions detailed information

Command Mode

- /exec

show tunnel-encryption statistics

show tunnel-encryption statistics [peer-ip <peer_ipaddress_v4>]

Syntax Description

show	Show running system information
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

show tunnel-profile

show tunnel-profile [<profile-name>]

Syntax Description

show	Show running system information
tunnel-profile	Tunnel Profile
<i>profile-name</i>	(Optional) Name of the Tunnel Profile

Command Mode

- /exec



U Show Commands

- [show uddl, on page 2584](#)
- [show uddl global, on page 2585](#)
- [show uddl neighbors, on page 2586](#)
- [show upgrade history, on page 2587](#)
- [show upgrade history details, on page 2588](#)
- [show user-account, on page 2589](#)
- [show username keypair, on page 2590](#)
- [show username passphrase timevalues, on page 2591](#)
- [show userpassphrase, on page 2592](#)
- [show userpassphrase, on page 2593](#)
- [show userpassphrase min-unique, on page 2594](#)
- [show userpassphrase sequence alphabet length, on page 2595](#)
- [show userpassphrase sequence keyboard length, on page 2596](#)
- [show users, on page 2597](#)

show udd

show udd [<if0>]

Syntax Description

show	Show running system information
udd	UDLD status and configuration on one or all interfaces
<i>if0</i>	(Optional) Enter an interface name if only one single interface status is desired

Command Mode

- /exec

show udd global

show udd global

Syntax Description

show	Show running system information
udd	UDLD protocol
global	UDLD global status and configuration on all interfaces

Command Mode

- /exec

show udd neighbors

show udd neighbors

Syntax Description

show	Show running system information
udd	UDLD protocol
neighbors	UDLD neighbor interfaces

Command Mode

- /exec

show upgrade history

show upgrade history

Syntax Description

show	Show running system information
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware

Command Mode

- /exec

show upgrade history details

show upgrade history details

Syntax Description

show	Show running system information
upgrade	Show the upgrade history
history	Show the upgrade history of software and firmware
details	Show the upgrade history details

Command Mode

- /exec

show user-account

show user-account [<s0>]

Syntax Description

show	Show running system information
TABLE_template	(Optional)
TABLE_role	(Optional)
TABLE_keys	(Optional)

Command Mode

- /exec

show username keypair

show username <s0> keypair

Syntax Description

show	Show running system information
username	Show user information.
keypair	Show SSH keypairs
s0	user name

Command Mode

- /exec

show username passphrase timevalues

show username <username> passphrase timevalues

Syntax Description

show	Show running system information
username	Configure user information.
<i>username</i>	user name
passphrase	user passphrase
timevalues	passphrase lifetime, warningtime and gracetime

Command Mode

- /exec

show userpassphrase

show userpassphrase { min-length | max-length | length }

Syntax Description

show	Show running system information
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
length	passphrase min and max length

Command Mode

- /exec

show userpassphrase

show userpassphrase { default-lifetime | default-warntime | default-gracetime | timevalues }

Syntax Description

show	Show running system information
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

show userpassphrase min-unique

show userpassphrase min-unique

Syntax Description

show	Show running system information
userpassphrase	User passphrase
min-unique	Count for the number of passwords that cannot be reused

Command Mode

- /exec

show userpassphrase sequence alphabet length

show userpassphrase sequence alphabet length

Syntax Description

show	Show running system information
userpassphrase	user passphrase
sequence	Control character sequences in passphrases
alphabet	Control runs of sequential alphabetical characters
length	Maximum number of sequential characters

Command Mode

- /exec

show userpassphrase sequence keyboard length

show userpassphrase sequence keyboard length

Syntax Description

show	Show running system information
userpassphrase	user passphrase
sequence	Control character sequences in passphrases
keyboard	Control runs of sequential keyboard characters
length	passphrase min and max length

Command Mode

- /exec

show users

show users

Syntax Description

show	Show running system information
users	Show the current users logged in the system

Command Mode

- /exec



V Show Commands

- [show vdc](#), on page 2601
- [show vdc current-vdc](#), on page 2602
- [show vdc fcoe-vlan-range](#), on page 2603
- [show vdc resource](#), on page 2604
- [show vdc resource](#), on page 2605
- [show version](#), on page 2606
- [show version epld](#), on page 2607
- [show version image](#), on page 2608
- [show version module](#), on page 2609
- [show version module epld](#), on page 2610
- [show virtual-service](#), on page 2611
- [show virtual-service storage pool list](#), on page 2612
- [show virtual-service tech-support](#), on page 2613
- [show virtual-service utilization name](#), on page 2614
- [show virtual-service version](#), on page 2615
- [show vlan](#), on page 2616
- [show vlan access-list](#), on page 2617
- [show vlan access-map](#), on page 2618
- [show vlan all-ports](#), on page 2619
- [show vlan counters](#), on page 2620
- [show vlan dot1Q tag native](#), on page 2621
- [show vlan fcoe](#), on page 2622
- [show vlan filter](#), on page 2623
- [show vlan id](#), on page 2624
- [show vlan id counters](#), on page 2625
- [show vlan id vn-segment](#), on page 2626
- [show vlan name](#), on page 2627
- [show vlan private-vlan](#), on page 2628
- [show vlan private-vlan type](#), on page 2629
- [show vlan xbrief](#), on page 2630
- [show vlan xsummary](#), on page 2631
- [show vmtracker](#), on page 2632
- [show vmtracker certificate](#), on page 2633

- [show vmtracker fabric auto-config](#), on page 2634
- [show vmtracker status](#), on page 2635
- [show vpc](#), on page 2636
- [show vpc](#), on page 2637
- [show vpc consistency-parameters](#), on page 2638
- [show vpc consistency-parameters vlans](#), on page 2639
- [show vpc fabric-ports](#), on page 2640
- [show vpc orphan-ports](#), on page 2641
- [show vpc peer-keepalive](#), on page 2642
- [show vpc role](#), on page 2643
- [show vpc statistics peer-keepalive](#), on page 2644
- [show vpc statistics vpc](#), on page 2645
- [show vpc virtual-peerlink dest reachable](#), on page 2646
- [show vpc virtual-peerlink vlan consistency](#), on page 2647
- [show vrf](#), on page 2648
- [show vrf](#), on page 2649
- [show vrrp](#), on page 2650
- [show vrrp bfd-sessions](#), on page 2651
- [show vrrpv3](#), on page 2652
- [show vrrs client](#), on page 2653
- [show vrrs pathway](#), on page 2654
- [show vrrs server](#), on page 2655
- [show vrrs tag](#), on page 2656
- [show vsan](#), on page 2657
- [show vsan membership](#), on page 2658
- [show vsan membership interface](#), on page 2659
- [show vsan usage](#), on page 2660
- [show vtp counters](#), on page 2661
- [show vtp interface](#), on page 2662
- [show vtp password](#), on page 2663
- [show vtp status](#), on page 2664

show vdc

```
{ show vdc [ <e-vdc2> ] [ feature-set | detail | membership [ all | status | module <module> ] | shared membership ]
```

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
<i>e-vdc2</i>	(Optional) Enter Virtual Device Context <vdc-id>
feature-set	(Optional) Show vdc feature-set information
detail	(Optional) Show detailed vdc information
membership	(Optional) Show the shared interfaces in a vdc
all	(Optional) Show offline modules as well
status	(Optional) Show vdc related port-status
module	(Optional) Show vdc interface membership information for a specific module only
<i>module</i>	(Optional) Show vdc interface membership information for a specific module only
shared	(Optional) Show the shared interfaces in a vdc
membership	(Optional) Show vdc interface membership information

Command Mode

- /exec

show vdc current-vdc

show vdc current-vdc

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
current-vdc	Show which vdc you are currently in

Command Mode

- /exec

show vdc fcoe-vlan-range

show vdc fcoe-vlan-range

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
fcoe-vlan-range	vlangs reserved for FCoE

Command Mode

- /exec

show vdc resource

show vdc <id> resource [<res-mgr-res-known-name>]

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
<i>id</i>	Enter Virtual Device Context <vdc-id>
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name

Command Mode

- /exec

show vdc resource

show vdc resource [<res-mgr-res-known-name>] [detail | hidden-too | with-flags] +

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration for VDC
<i>res-mgr-res-known-name</i>	(Optional) Resource name
detail	(Optional) Show detail resource configuration
hidden-too	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
with-flags	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show version

show version

Syntax Description

show	
version	Show the software version

Command Mode

- /exec

show version epld

show version epld <uri0>

Syntax Description

show	Show running system information
version	Show the software version
epld	Show EPLD versions available in EPLD image
<i>uri0</i>	Local URI containing EPLD Image

Command Mode

- /exec

show version image

show version image <uri0>

Syntax Description

show	Show running system information
version	Show the software version
image	Show the software version of a given image
<i>uri0</i>	Enter URI

Command Mode

- /exec

show version module

show version module <module>

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
<i>module</i>	Enter module number

Command Mode

- /exec

show version module epld

show version module <module> epld

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
<i>module</i>	Enter module number
epld	Show a module's current EPLD versions

Command Mode

- /exec

show virtual-service

```
show virtual-service [ { list } | { global } | { detail [ name <virt_serv_name> ] } | { core [ name
<virt_serv_name_core> ] } ]
```

Syntax Description

show	Show running system information
virtual-service	Display virtualization service information
global	(Optional) Virtual service global information
list	(Optional) List virtual services
detail	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
core	(Optional) Core information
name	(Optional) Information for a specific virtual service
<i>virt_serv_name</i>	(Optional) Name of a virtual service
<i>virt_serv_name_core</i>	(Optional) Name of a virtual service

Command Mode

- /exec

show virtual-service storage pool list

show virtual-service storage pool list

Syntax Description

show	Show running system information
virtual-service	Display virtualization service storage pool information
storage	Storage information about virtual service
pool	Storage pool information about virtual service
list	List storage pool for virtual service

Command Mode

- /exec

show virtual-service tech-support

show virtual-service tech-support

Syntax Description

show	Show running system information
virtual-service	Gather information for virtualization services trouble shooting
tech-support	Gather information for trouble shooting

Command Mode

- /exec

show virtual-service utilization name

show virtual-service utilization name <virt_serv_name>

Syntax Description

show	Show running system information
virtual-service	Display virtualization service utilization information
utilization	Utilization information about virtual service
name	Utilization of a virtual service
<i>virt_serv_name</i>	Name of a virtual service

Command Mode

- /exec

show virtual-service version

show virtual-service version { { installed } | { name <virt_serv_name> installed } }

Syntax Description

show	Show running system information
virtual-service	Display virtualization service version information
version	Version information about virtual service
installed	Installed version
name	Version of a virtual service
<i>virt_serv_name</i>	Name of a virtual service

Command Mode

- /exec

show vlan

show vlan [controller]

Syntax Description

show	Show running system information
vlan	VLAN status
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vlan access-list

```
show vlan access-list <vacl-name> [ <inp_seqno> ]
```

Syntax Description

show	Show running system information
vlan	VLAN status
access-list	Vlan access list
<i>vacl-name</i>	List name
<i>inp_seqno</i>	(Optional) Sequence number
<i>vacl_name</i>	(Optional) List name

Command Mode

- /exec

show vlan access-map

show vlan access-map [<vacl-name>]

Syntax Description

show	Show running system information
vlan	VLAN status
access-map	List VLAN access maps
<i>vacl-name</i>	(Optional) List name
<i>vacl_name</i>	(Optional) List name

Command Mode

- /exec

show vlan all-ports

show vlan all-ports

Syntax Description

show	Show running system information
vlan	VLAN status
all-ports	Show all ports on VLAN

Command Mode

- /exec

show vlan counters

show vlan counters

Syntax Description

show	Show running system information
vlan	Vlan commands
counters	display counters

Command Mode

- /exec

show vlan dot1Q tag native

show vlan dot1Q tag native

Syntax Description

show	Show running system information
vlan	VTP VLAN status
dot1Q	Display dot1q parameters
tag	Display tag parameters
native	Display native vlan tagging

Command Mode

- /exec

show vlan fcoe

show vlan fcoe [<vlan-id>]

Syntax Description

show	Show running system information
fcoe	FCOE Congiguration
vlan	Original VLAN Status

Command Mode

- /exec

show vlan filter

show vlan filter [access-map <vacl-name> | vlan <vlan>]

Syntax Description

show	Show running system information
vlan	VLAN status
filter	Information about VLAN filters
access-map	(Optional) Show the VLANs where an access-map is applied
<i>vacl-name</i>	(Optional) List name
vlan	(Optional) Show the access-map applied to a VLAN
<i>vlan</i>	(Optional) VLAN number

Command Mode

- /exec

show vlan id

show vlan id <vlan-id>

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show vlan id counters

show vlan id <vlan-id> counters

Syntax Description

show	Show running system information
vlan	Vlan commands
id	VLAN status by VLAN id
counters	display counters
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show vlan id vn-segment

show vlan id <vlan-id> vn-segment

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
vn-segment	Show vn-segment mapping
<i>vlan-id</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show vlan name

show vlan name <vname>

Syntax Description

show	Show running system information
vlan	VLAN status
name	VLAN status by VLAN name
<i>vname</i>	A vlan name with size 32 (128 if long vlan name enabled)

Command Mode

- /exec

show vlan private-vlan

show vlan [id <vlan-id>] private-vlan

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information

Command Mode

- /exec

show vlan private-vlan type

show vlan [id <vlan-id>] private-vlan type

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
<i>vlan-id</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
type	Private VLAN type information

Command Mode

- /exec

show vlan xbrief

show vlan xbrief [controller | cli]

Syntax Description

show	Show running system information
vlan	VLAN status
xbrief	All VLAN status in brief
controller	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
cli	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vlan xsummary

show vlan xsummary

Syntax Description

show	Show running system information
vlan	VLAN status
xsummary	VLAN summary information

Command Mode

- /exec

show vmtracker

```
show vmtracker [ connection <conn_name> ] { { info { { [ interface <intf_id> ] { summary | detail | host |  
vm | port-group } } | { vxlan-segment | vxlan-vms } } } | event-history }
```

Syntax Description

show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections

Command Mode

- /exec

show vmtracker certificate

show vmtracker certificate

Syntax Description

show	Show running system information
vmtracker	Show vmtracker info
certificate	Show the default certificate used

Command Mode

- /exec

show vmtracker fabric auto-config

```
show vmtracker fabric auto-config [ interface <intf_id> ] [ vlan <vlan_id> ] [ status { success | pending | failure | skipped } ]
```

Syntax Description

show	Show running system information
vmtracker	VMTRACKER commands
fabric	VM Tracker Fabric paramters
auto-config	VM Tracker Fabric AutoConfiguration
interface	(Optional) Display vmtracker interface information
<i>intf_id</i>	(Optional) Interface name to display
vlan	(Optional) vlan to display
<i>vlan_id</i>	(Optional) VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
status	(Optional) Auto-config status
success	(Optional) Success
pending	(Optional) Pending
failure	(Optional) Failure
skipped	(Optional) Skipped

Command Mode

- /exec

show vmtracker status

show vmtracker [connection <conn_name>] status

Syntax Description

show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections
<i>conn_name</i>	(Optional) Show vmtracker Connection name
status	Show vmtracker connection status

Command Mode

- /exec

show vpc

show vpc [brief]

Syntax Description

vpc	Virtual Port Channel configuration
brief	(Optional) Brief display of vPC status

Command Mode

- /exec

show vpc

```
show vpc { <vpc-number> | brief vpc <vpc-number> }
```

Syntax Description

vpc	Virtual Port Channel configuration
brief	Brief display of vPC status
<i>vpc-number</i>	Enter a Virtual Port Channel number

Command Mode

- /exec

show vpc consistency-parameters

show vpc consistency-parameters { global | vni | interface <if> | vpc <vpc-num> }

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
global	Global Parameters
vni	Show vPC Consistency Parameters vni
<i>if</i>	
<i>vpc-num</i>	Enter a Virtual Port Channel number

Command Mode

- /exec

show vpc consistency-parameters vlans

show vpc consistency-parameters vlans [vnseg]

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
vlans	vlans
vnseg	(Optional) Display vlan to vn-segment map

Command Mode

- /exec

show vpc fabric-ports

show vpc fabric-ports

Syntax Description

vpc	Virtual Port Channel configuration
fabric-ports	Show ports that are part of uplink virtual-peerlink

Command Mode

- /exec

show vpc orphan-ports

show vpc orphan-ports

Syntax Description

vpc	Virtual Port Channel configuration
orphan-ports	Show ports that are not part of vPC but have common VLANs

Command Mode

- /exec

show vpc peer-keepalive

show vpc peer-keepalive

Syntax Description

vpc	Virtual Port Channel configuration
peer-keepalive	vPC keepalive status

Command Mode

- /exec

show vpc role

show vpc role

Syntax Description

vpc	Virtual Port Channel configuration
role	vPC role status

Command Mode

- /exec

show vpc statistics peer-keepalive

show vpc statistics peer-keepalive

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
peer-keepalive	peer keepalive module related statistics

Command Mode

- /exec

show vpc statistics vpc

```
show vpc statistics { vpc <vpc_num> | peer-link }
```

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
<i>vpc_num</i>	Virtual Port Channel number
peer-link	stats for peer-link

Command Mode

- /exec

show vpc virtual-peerlink dest reachable

show vpc virtual-peerlink dest reachable

Syntax Description

show	Show running system information
vpc	vPC related information
virtual-peerlink	virtual-peerlink Related show commands
dest	dest info
reachable	dest reachability

Command Mode

- /exec

show vpc virtual-peerlink vlan consistency

show vpc virtual-peerlink vlan consistency

Syntax Description

show	Show running system information
vpc	vPC related information
virtual-peerlink	virtual-peerlink Related show commands
vlan	vlan info for vPC
consistency	vlan vni consistency

Command Mode

- /exec

show vrf

show vrf [<vrf-name> | <vrf-known-name> | all] [order id] [detail] [passive]

Syntax Description

show	Show running system information
vrf	Display VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs
order	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
id	(Optional) Order by ID
detail	(Optional) Display VRF detail information
passive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show vrf

show vrf [<vrf-name> | <vrf-known-name> | all]

Syntax Description

show	Show running system information
vrf	Display VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs

Command Mode

- /exec

show vrrp

```
show vrrp [ [ summary ] | { [ statistics | detail ] [ interface <interface_id> ] [ vr <vr_id> ] [ master | backup |
init ] + } ]
```

Syntax Description

show	Show running system information
vrrp	Show vrrp information
summary	(Optional) Show vrrp summary
statistics	(Optional) Show vrrp statistics
detail	(Optional) Show detailed information
interface	(Optional) Show vrrp info for the interface
<i>interface_id</i>	(Optional)
vr	(Optional) Show vrrp info for the group
<i>vr_id</i>	(Optional) [1-255] enter IPv4 vr group
master	(Optional) Groups in Master state
backup	(Optional) Groups in Backup state
init	(Optional) Groups in Init state

Command Mode

- /exec

show vrrp bfd-sessions

```
show vrrp bfd-sessions [ interface <interface-id> [ to <ipaddress> ] ]
```

Syntax Description

show	Show running system information
vrrp	Show vrrp information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
<i>interface-id</i>	(Optional) Interface
to	(Optional) To IP address
<i>ipaddress</i>	(Optional) Sessions to IP address

Command Mode

- /exec

show vrrpv3

show vrrpv3 [brief | detail | statistics] [<intf> [<group_num>]] [<opt_v4_or_v6>] [all]

Syntax Description

show	Show running system information
vrrpv3	VRRPv3 Show commands
all	(Optional) All VRRPV3 information
brief	(Optional) Brief output
detail	(Optional) Detail output
statistics	(Optional) Statistics output
<i>opt_v4_or_v6</i>	(Optional) Enter ipv4 or ipv6
<i>intf</i>	(Optional) Interface
<i>group_num</i>	(Optional) Group Number

Command Mode

- /exec

show vrrs client

show vrrs client [<cname>]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
client	Information about VRRS clients
<i>cname</i>	(Optional) VRRS client name

Command Mode

- /exec

show vrrs pathway

show vrrs pathway [<intf>]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
pathway	Information about VRRS pathways
<i>intf</i>	(Optional) Interface

Command Mode

- /exec

show vrrs server

show vrrs server

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
server	Information about VRRS servers

Command Mode

- /exec

show vrrs tag

show vrrs tag [<tagname>]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
tag	Information about VRRS tags
<i>tagname</i>	(Optional) VRRS tag

Command Mode

- /exec

show vsan

show vsan [<id_in>]

Syntax Description

show	Show running system information
vsan	Vsan commands
<i>id_in</i>	(Optional) VSAN ID range

Command Mode

- /exec

show vsan membership

show vsan [<id_in>] membership

Syntax Description

show	Show running system information
vsan	Vsan commands
<i>id_in</i>	(Optional) VSAN ID range
membership	VSAN membership information

Command Mode

- /exec

show vsan membership interface

show vsan membership interface <if_in>

Syntax Description

show	Show running system information
vsan	Vsan commands
membership	VSAN membership information
interface	Show interface status and information
<i>if_in</i>	Interface range

Command Mode

- /exec

show vsan usage

show vsan usage

Syntax Description

show	Show running system information
vsan	Vsan commands
usage	show VSAN usage in the system

Command Mode

- /exec

show vtp counters

show vtp counters

Syntax Description

show	Show running system information
vtp	VTP information
counters	VTP statistics

Command Mode

- /exec

show vtp interface

show vtp interface [<interface_range>]

Syntax Description

show	Show running system information
vtp	VTP information
interface	VTP interface status and configuration
<i>interface_range</i>	(Optional) Enter interfaces

Command Mode

- /exec

show vtp password

```
show vtp password [ domain <domain-id> ]
```

Syntax Description

show	Show running system information
vtp	VTP information
password	VTP password
domain	(Optional) VTP administrative domain
<i>domain-id</i>	(Optional) Domain index(Domain-id)

Command Mode

- /exec

show vtp status

show vtp status

Syntax Description

show	Show running system information
vtp	VTP information
status	VTP domain status

Command Mode

- /exec



W Show Commands

- [show wred-queue qos-group-map](#), on page 2666
- [show wrr-queue qos-group-map](#), on page 2667
- [show wrr-unicast-bandwidth](#), on page 2668
- [show wwn oui](#), on page 2669
- [show wwn status](#), on page 2670
- [show wwn switch](#), on page 2671
- [show wwn test](#), on page 2672
- [show wwn vsan-wwn](#), on page 2674

show wred-queue qos-group-map

show wred-queue qos-group-map

Syntax Description

show	Show running system information
wred-queue	Show WRED qos-group information
qos-group-map	Display mapping of the qos-group information

Command Mode

- /exec

show wrr-queue qos-group-map

show wrr-queue qos-group-map

Syntax Description

show	Show running system information
wrr-queue	Display mapping of traffic priority (CoS) values to L3 Multicast
qos-group-map	Show wrr-queue qos-group-map

Command Mode

- /exec

show wrr unicast-bandwidth

show wrr unicast-bandwidth

Syntax Description

show	Show running system information
wrr	unicast bandwidth configuration
unicast-bandwidth	rate in percentage of data rate

Command Mode

- /exec

show wwn oui

show wwn oui

Syntax Description

show	Show running system information
wwn	show wwn information
oui	Show oui database

Command Mode

- /exec

show wwn status

show wwn status [{ backplane-prom | block-id <i0> | non-volatile-pss | volatile-pss }]

Syntax Description

show	Show running system information
wwn	show wwn information
status	Show overall WWN Usage and Alarm Status
backplane-prom	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
block-id	(Optional) Enter a block id.
<i>i0</i>	(Optional) Enter a block id.
non-volatile-pss	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
volatile-pss	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show wwn switch

show wwn switch

Syntax Description

show	Show running system information
wwn	show wwn information
switch	Show switch WWN

Command Mode

- /exec

show wwn test

```
show wwn test { get_swwn_from_pwwn <wwn0> | get_pwwn_from_swwn <wwn1> if_index <i0> |
get_ifindex_from_fwwn <wwn2> | get_ifindex_from_pwwn <wwn3> | validate_pwwn_given_swwn <wwn4>
pwwn <wwn5> | get_all_pwwn_for_slot <i1> | get_kc_type_given_swwn <wwn6> pwwn <wwn7> |
get_ifindex_from_pwwn_swwn <wwn8> pwwn <wwn9> }
```

Syntax Description

show	show running system information
wwn	show wwn information
test	show wwn information for testing
get_swwn_from_pwwn	show switch wwn from port wwn
<i>wwn0</i>	port wwn
get_pwwn_from_swwn	show port wwn from switch wwn
<i>wwn1</i>	switch wwn
if_index	interface index
<i>i0</i>	Interface index
get_ifindex_from_fwwn	show ifindex from fabric wwn
<i>wwn2</i>	fabric wwn
get_ifindex_from_pwwn	show ifindex from port wwn
<i>wwn3</i>	port wwn
validate_pwwn_given_swwn	validate port wwn for given swwn
<i>wwn4</i>	switch wwn
pwwn	port wwn
<i>wwn5</i>	port wwn
get_all_pwwn_for_slot	show all port wwn for a given slot
<i>i1</i>	Slot number
get_kc_type_given_swwn	show KC type
<i>wwn6</i>	switch wwn
pwwn	port wwn
<i>wwn7</i>	port wwn

get_ifindex_from_pwwn_swwn	show ifindex for given pwwn and swwn
wwn8	switch wwn
pwwn	port wwn
wwn9	port wwn

Command Mode

- /exec

show wwn vsan-wwn

show wwn vsan-wwn

Syntax Description

show	Show running system information
wwn	show wwn information
vsan-wwn	Show all user configured vsan wwn

Command Mode

- /exec



X Show Commands

- [show xml server logging configuration, on page 2676](#)
- [show xml server status, on page 2677](#)

show xml server logging configuration

show xml server logging configuration

Syntax Description

show	Show running system information
xml	Show xmlagent logging configuration
server	xml agent server
logging	Show logging configuration and contents of logfile
configuration	Show facility logging configuration

Command Mode

- /exec

show xml server status

show xml server status

Syntax Description

show	to display xml agent information
xml	xml agent
server	xml agent server
status	display xml agent information

Command Mode

- /exec

show xml server status



Z Show Commands

- [show zone-attribute-group](#), on page 2680
- [show zone](#), on page 2681
- [show zone active](#), on page 2682
- [show zone analysis](#), on page 2683
- [show zone ess](#), on page 2684
- [show zone member](#), on page 2685
- [show zone name](#), on page 2687
- [show zone name active](#), on page 2688
- [show zone name pending](#), on page 2689
- [show zone pending-diff](#), on page 2690
- [show zone pending](#), on page 2691
- [show zone policy](#), on page 2692
- [show zone smart-zoning auto-conv log errors](#), on page 2693
- [show zone smart-zoning auto-conv status vsan](#), on page 2694
- [show zone statistics](#), on page 2695
- [show zone statistics vsan](#), on page 2696
- [show zone status](#), on page 2697
- [show zone vsan](#), on page 2698
- [show zone vsan](#), on page 2699
- [show zoneset](#), on page 2700

show zone-attribute-group

```
show zone-attribute-group [ [ name <s0> ] [ [ pending ] [ vsan <i0> ] ] ]
```

Syntax Description

show	Show running system information
zone-attribute-group	Attribute-group show commands
name	(Optional) Show attributes of a specified attribute-group
<i>s0</i>	(Optional) Enter the name of attr_group
pending	(Optional) Show attributes of a specified attribute-group in session
vsan	(Optional) Show attr_groups belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone

show zone

Syntax Description

show	Show running system information
------	---------------------------------

Command Mode

- /exec

show zone active

show zone active [vsan <i0>]

Syntax Description

show	Show running system information
active	Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone analysis

show zone analysis [pending] { active vsan <i0> | vsan1 <i1> | zoneset <s0> vsan2 <i2> }

Syntax Description

show	Show running system information
analysis	Show analysis
pending	(Optional) Show zoneset analysis in the pending database
active	Show active zoneset analysis
vsan	Show active zoneset analysis in the specified VSAN
<i>i0</i>	VSAN id range
vsan1	Show analysis in the specified VSAN
<i>i1</i>	VSAN id range
zoneset	Show zoneset analysis
<i>s0</i>	Zoneset name
vsan2	Show zoneset analysis in the specified VSAN
<i>i2</i>	VSAN id range

Command Mode

- /exec

show zone ess

show zone ess [vsan <i0>]

Syntax Description

show	Show running system information
ess	Show ESS info
vsan	(Optional) Show ESS info belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone member

```
show zone member { fcalias <s0> [ [ active ] [ vsan <i0> ] ] | fcid <fcid1> [ [ lun <lun2> ] [ [ active ] [ vsan1
<i3> ] ] ] | pwwn <wwn4> [ [ lun1 <lun5> ] [ [ active ] [ vsan2 <i6> ] ] ] | device-alias <s7> [ [ lun2 <lun8>
] [ [ active ] [ vsan3 <i9> ] ] ] }
```

Syntax Description

show	Show running system information
member	Show all zones in which the given member is part of
fcalias	Alias Name
<i>s0</i>	Enter the name of fcalias
active	(Optional) Show zones from active database
vsan	(Optional) Displays only those zones which belong to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
fcid	FCID
<i>fcid1</i>	Enter FCID
lun	(Optional) LUN
<i>lun2</i>	(Optional) Enter LUN
active	(Optional) Show zones from active database
vsan1	(Optional) Displays only those zones which belong to the specified VSAN
<i>i3</i>	(Optional) VSAN id range
pwwn	WWN
<i>wwn4</i>	Enter Port WWN
lun1	(Optional) LUN
<i>lun5</i>	(Optional) Enter LUN
active	(Optional) Show zones from active database
vsan2	(Optional) Displays only those zones which belong to the specified VSAN
<i>i6</i>	(Optional) VSAN id range
device-alias	Device-Alias

<i>s7</i>	Enter device-alias
<i>lun2</i>	(Optional) LUN
<i>lun8</i>	(Optional) Enter LUN
<i>active</i>	(Optional) Show zones from active database
<i>vsan3</i>	(Optional) Displays only those zones which belong to the specified VSAN
<i>i9</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone name

show zone name <s0>

Syntax Description

show	Show running system information
name	Show members of a specified zone
s0	Enter the name of zone

Command Mode

- /exec

show zone name active

show zone name <s0> active [vsan <i0>]

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone
active	Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone name pending

```
show zone name <s0> pending [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
name	Show members of a specified zone
<i>s0</i>	Enter the name of zone
pending	Show members of a specified zone in session
active	(Optional) Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zones belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone pending-diff

show zone pending-diff [vsan <i0>]

Syntax Description

show	Show running system information
pending-diff	Zone Server pending changes
vsan	(Optional) Show pending changes belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone pending

```
show zone pending [ { active [ vsan <i0> ] | vsan1 <i1> } ]
```

Syntax Description

show	Show running system information
pending	Show members of a specified zone in session
active	(Optional) Show zones which are part of active zoneset
vsan	(Optional) Show zones belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zones belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone policy

show zone policy [{ pending [vsan <i0>] | vsan1 <i1> }]

Syntax Description

show	Show running system information
policy	Show zone policies
pending	(Optional) Show zone policies pending
vsan	(Optional) Show zone policies pending in specified VSAN
<i>i0</i>	(Optional) VSAN id range
vsan1	(Optional) Show zone policies belonging to the specified VSAN
<i>i1</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone smart-zoning auto-conv log errors

show zone smart-zoning auto-conv log errors

Syntax Description

show	Show running system information
smart-zoning	Show smart-zoning commands
auto-conv	Show auto-convert status
log	Show logged messages
errors	Show error-logs for smart-zoning auto-convert

Command Mode

- /exec

show zone smart-zoning auto-conv status vsan

show zone smart-zoning auto-conv status vsan <i0>

Syntax Description

show	Show running system information
smart-zoning	Show smart-zoning commands
auto-conv	Show previous auto-convert status
status	Show previous auto-convert status
vsan	Show previous auto-convert status for a VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone statistics

show zone statistics

Syntax Description

show	Show running system information
statistics	Show zone server statistics

Command Mode

- /exec

show zone statistics vsan

show zone statistics vsan <i0>

Syntax Description

show	Show running system information
statistics	Show zone server statistics
vsan	Show statistics belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone status

```
show zone status [ { vsan <i0> | global } ]
```

Syntax Description

show	Show running system information
status	Show zone server current status
vsan	(Optional) Show zone server current status for a VSAN
global	(Optional) Show zone server global values
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec

show zone vsan

show zone vsan <i0>

Syntax Description

show	Show running system information
vsan	Show zones belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zone vsan

```
show zone [ name <s0> ] vsan <i0>
```

Syntax Description

show	Show running system information
name	(Optional) Show members of a specified zone
<i>s0</i>	(Optional) Enter the name of zone
vsan	Show zones belonging to the specified VSAN
<i>i0</i>	VSAN id range

Command Mode

- /exec

show zoneset

```
show zoneset [ [ name <s0> ] [ [ pending ] [ [ brief ] [ [ active ] [ vsan <i0> ] ] ] ] ]
```

Syntax Description

show	Show running system information
zoneset	Zoneset show commands
name	(Optional) Show members of a specified zoneset
<i>s0</i>	(Optional) Enter the name of zoneset
pending	(Optional) Show members of a specified zoneset in session
brief	(Optional) Show members in brief mode
active	(Optional) Show only active zonesets
vsan	(Optional) Show zonesets belonging to the specified VSAN
<i>i0</i>	(Optional) VSAN id range

Command Mode

- /exec



PART II

Command Output Formats

- [XML/JSON Output Formats, on page 2703](#)



XML/JSON Output Formats

- [Output Formats for Show Commands, on page 2704](#)

Output Formats for Show Commands

The response from NX-OS show commands can be displayed in various formats. The default command output is plain text, with tables formatted using spaces to align columns. This type of output is easily readable, but may not be convenient as the input for automation scripts. For many show commands, you can choose to have the output delivered in XML format. For any command that supports XML output, a further option is JSON output.

Checking for XML/JSON Support

To determine whether a show command supports XML output, pipe the output to `| validate-xml`, as in this example:

```
# show version | validate-xml
Schema version is 1.0
The output is valid.
```

To determine whether a show command supports JSON output, pipe the output to `| validate-json`, as in this example:

```
# show version | validate-json
Schema version is 9.3.3.
The JSON output is valid.
```

Specifying XML or JSON Output

To receive the actual command output in XML format, pipe the output to `| xml`, as in this example:

```
# show version | xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<nf:rpc-reply xmlns="http://www.cisco.com/nxos:1.0:sysmgrcli"
xmlns:nf="urn:ietf:params:xml:ns:netconf:base:1.0">
<nf:data>
  <show>
    <version>

[ output cropped ]

    </version>
  </show>
</nf:data>
</nf:rpc-reply>
]]>]]>
```

To receive the command output in JSON format, pipe the output to `| json`. In this case, the JSON output is delivered as a minified JSON block. For a more human-readable presentation, pipe the output to `| json-pretty`, which delivers a visually structured and indented JSON output.

Testing Commands in the NX-OS Sandbox

Cisco DevNet maintains simulator sandboxes for Cisco Nexus switches and many other Cisco products. You can test NX-OS commands and view the resulting command output using the Open NX-OS Programmability lab at the following URL:

<https://devnetsandbox.cisco.com/RM/Diagram/Index/dae38dd8-e8ee-4d7c-a21c-6036bed7a804?diagramType=Topology>

