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sak-expiry-time

[no] sak-expiry-time <ts>

Syntax Description

sak-expiry-time	Time in seconds to force SAK rekey
<i>ts</i>	time in seconds

Command Mode

- /exec/configure/macsec-policy

sak-rekey-time

[no] sak-rekey-time <ts>

Syntax Description

sak-rekey-time	Time in seconds to force SAK rekey
<i>ts</i>	time in seconds

Command Mode

- /exec/configure/tunenc-policy

sampling-rate prepost

[no] sampling-rate { pre-trigger <pre-sample-rate> } { post-trigger <post-sample-rate> }

Syntax Description

no	(Optional) Negate the command
sampling-rate	Configure sampling-rate parameters
pre-trigger	Pre-trigger parameters
<i>pre-sample-rate</i>	Transactions to be captured out of 16 samples (1-16)
post-trigger	Post-trigger parameters
<i>post-sample-rate</i>	Transactions to be captured out of 16 samples (1-16)

Command Mode

- /exec/configure/pkt-drop

sampling

sampling <sampling_range> | no sampling

Syntax Description

no	Negate a command or set its defaults
sampling	Set the sampling range for SPAN packets.
<i>sampling_range</i>	Sampling range: N = every Nth packet will be spanned

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

sampling rate

[no] sampling { rate <samplingrate> | microburst <mbrate> <mbpackets> }

Syntax Description

sampling	Specify sampling for buffer-drop
rate	Sampling rate for buffer-drop
<i>samplingrate</i>	sampling rate: 10 to 16777215. 1 for capture all
microburst	Microburst mode for buffer-drop
<i>mbrate</i>	Microburst rate. Actual value will be the nearest lower multiple of 122.
<i>mbpackets</i>	Microburst packets

Command Mode

- /exec/configure/config-buffer-drop-monitor

sampling rate

[no] sampling { rate <samplingrate> | microburst <mbrate> <mbpackets> }

Syntax Description

sampling	Specify sampling for buffer-latency
rate	Sampling rate for buffer-latency
<i>samplingrate</i>	sampling rate
microburst	Microburst mode for buffer-latency
<i>mbrate</i>	Microburst rate. Actual value will be the nearest lower multiple of 122.
<i>mbpackets</i>	Microburst packets

Command Mode

- /exec/configure/config-buffer-latency-monitor

sampling rate

[no] sampling rate <samplingrate>

Syntax Description

sampling	Specify sampling for INT Clone MD
rate	Sampling rate for INT Clone MD
<i>samplingrate</i>	sampling rate: 1 for capture all

Command Mode

- /exec/configure/config-int-clone-md-source-monitor

save

save <uri0>

Syntax Description

save	Save the current configuration session to uri
<i>uri0</i>	Enter the complete uri where the session is to be stored

Command Mode

- /exec/configure

save configuration load

{ save configuration | load } <uri0>

Syntax Description

save	Save the current configuration session to uri
load	Load the configuration
configuration	current configuration session
<i>uri0</i>	Enter file name

Command Mode

- /exec/configure

scale-factor module

[no] scale-factor <sf-value> module <module-number>

Syntax Description

no	(Optional) Negate a command or set its defaults
scale-factor	Scale factor
<i>sf-value</i>	Specify scale factor value from 0.10 to 2.00
module	Module
<i>module-number</i>	specify module number

Command Mode

- /exec/configure/ctrl-plane

scheduler aaa-authentication

```
{ scheduler aaa-authentication { password { 0 <s0> | 7 <s1> | <s2> } | username <s3> password { 01 <s4> | 71 <s5> | <s6> } } | no scheduler aaa-authentication { password [ { 0 <s0> | 7 <s1> | <s2> } ] | username <s3> password [ { 01 <s4> | 71 <s5> | <s6> } ] } }
```

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
aaa-authentication	Password for AAA authentication(of logged in user)
password	Specify the password of logged in user(for AAA authentication)
0	Password (clear text) of logged in user
s0	password (clear text) of logged in user
7	Encrypted password of logged in user
s1	Encrypted password (for AAA authentication)
s2	Password (clear text) of logged in user
username	logged in user name
s3	user name (for AAA authentication)
password	Specify the password of logged in user(for AAA authentication)
01	Password (clear text) of logged in user
s4	password (clear text) of logged in user
71	Encrypted password of logged in user
s5	Encrypted password (for AAA authentication)
s6	Password (clear text) of logged in user

Command Mode

- /exec/configure

scheduler job name

[no] scheduler job name <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
scheduler	Config commands for scheduler
job	Define a job
name	Specify a name for the job
s0	Name of the job

Command Mode

- /exec/configure

scheduler logfile size

{ scheduler logfile size <i0> | no scheduler logfile size [<i0>] }

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
logfile	Scheduler log file configuration
size	Specify the log file size
<i>i0</i>	Size of the file in KB

Command Mode

- /exec/configure

scheduler schedule name

[no] scheduler schedule name <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
scheduler	Config commands for scheduler
schedule	Define a schedule
name	Specify a name for the schedule
s0	Name of the schedule

Command Mode

- /exec/configure

scheduler transport email

```
{ scheduler transport email { from <s0> | reply-to <s1> | smtp-server <host0> [ port <i1> ] } | no scheduler transport email { from | reply-to | smtp-server } }
```

Syntax Description

no	Negate a command or set its defaults
scheduler	Config commands for scheduler
transport	Configure transport related configuration
email	Configure email transport related configuration
from	Configure from email address
<i>s0</i>	Provide from email address, example: SJ-9500-1@xyz.com
reply-to	Configure replyto email address
<i>s1</i>	Provide reply-to email address, example: admin@xyz.com
smtp-server	Configure SMTP server address
<i>host0</i>	SMTP server(DNS name or IPv4 or IPv6 address)
port	(Optional) Configure SMTP server port (default:25)
<i>i1</i>	(Optional) SMTP server port

Command Mode

- /exec/configure

schema

[no] schema <s0>

Syntax Description

no	(Optional) Negate a command or set its defaults
schema	PTP unicast-negotiation schema
s0	Name of schema

Command Mode

- /exec/configure/ptp-ucast-negotiation

scripting tcl init

scripting tcl init <uri0> | no scripting tcl init

Syntax Description

no	Negate a command or set its defaults
scripting	Configure scripting parameters
tcl	Specify scripting parameter for tcl
init	Specify init parameters
<i>uri0</i>	Tcl init script name

Command Mode

- /exec

scripting tcl recursion-limit

scripting tcl recursion-limit <limit> | no scripting tcl recursion-limit

Syntax Description

no	Negate a command or set its defaults
scripting	Configure scripting parameters
tcl	Specify scripting parameter for tcl
recursion-limit	Specify recursion-limit
<i>limit</i>	Specify limit

Command Mode

- /exec

sds module

sds module <module> <quoted-cmd>

Syntax Description

sds	silicon one debug shell
module	Module number of the linecard
<i>module</i>	Enter module number
<i>quoted-cmd</i>	script and args to run on debug shell

Command Mode

- /exec

sds module

sds module <module>

Syntax Description

sds	silicon one debug shell
module	Module number of the linecard
<i>module</i>	Enter module number

Command Mode

- /exec

section

| section <pattern>

Syntax Description

	Pipe command output to filter
section	show lines that include the pattern as well as the subsequent lines that are more indented than matching line
<i>pattern</i>	the pattern (regular expression) to match

Command Mode

- /output

secure-handoff

{ [no] secure-handoff }

Syntax Description

no	(Optional) Negate a command or set its defaults
secure-handoff	Confirm dynamic-eid discovery by probing for remote host

Command Mode

- /exec/configure/lisp-dynamic-eid /exec/configure/vrf/lisp-dynamic-eid

security-group

[no] security-group <grp-id> [reverse <rev-grp-id>]

Syntax Description

no	(Optional) Negate a command or set its defaults
security-group	security-group
<i>grp-id</i>	forward security-group tag ID
reverse	(Optional) reverse
<i>rev-grp-id</i>	(Optional) reverse security-group tag ID

Command Mode

- /exec/configure/epbr/svc

security-group name

security-group <esg-id> name <esg-name> | no security-group <esg-id>

Syntax Description

no	Negate a command or set its defaults
security-group	Create security-group or enter security-group command mode
<i>esg-id</i>	Security-group tag ID
name	Security-group name
<i>esg-name</i>	Name of Security-group for current ESG tag ID

Command Mode

- /exec/configure

security-level

[no] security-level <seclvl>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>seclvl</i>	

Command Mode

- /exec/configure/config-snoop-policy

security-policy

[no] security-policy <policy>

Syntax Description

security-policy	Configure Security policy
<i>policy</i>	Security Policy options

Command Mode

- /exec/configure/masec-policy

sed

| sed [-n] + <expr>

Syntax Description

	Pipe command output to filter
sed	Stream Editor
-n	(Optional) suppress automatic printing of pattern space
<i>expr</i>	Edition command (script)

Command Mode

- /output

segment-list name

[no] segment-list name <seg-list-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-list	Explicit segment list configuration
name	Segment-list name
<i>seg-list-name</i>	Identifying name for the segment-list with max 64 characters

Command Mode

- /exec/configure/sr/te

segment-routing

[no] segment-routing

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Enable Segment Routing

Command Mode

- /exec/configure

segment-routing

[no] segment-routing

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Configure Traffic Engineering Segment Routing related configurations

Command Mode

- /exec/configure/sr/te

segment-routing mpls

[no] segment-routing mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment routing parameters
mpls	Enable segment routing MPLS

Command Mode

- /exec/configure/router-ospf

segment-routing mpls

[no] segment-routing mpls

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment-routing properties
mpls	Configure MPLS parameters

Command Mode

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

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
segment-routing	Segment-routing properties
srv6	Configure Segment-Routing for IPv6

Command Mode

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

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

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

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

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

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

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

segment-routing srv6

[no] segment-routing srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure srv6
segment-routing	Configure segment-routing

Command Mode

- /exec/configure/router-bgp

segment-routing traffic-engineering reoptimize

segment-routing traffic-engineering reoptimize [{ name <policy_name> } | { all }]

Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
reoptimize	Reoptimize path preference for policy
name	(Optional) Name of policy
all	(Optional) Reoptimize path preference for all policies
<i>policy_name</i>	(Optional) Enter name of the policy

Command Mode

- /exec

segment-routing traffic-engineering switch name preference

segment-routing traffic-engineering switch name <policy_name> preference <pref>

Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
switch	Switch path preference for policy
name	Name of policy
preference	Switch to a path preference for the policy
<i>policy_name</i>	Enter name of the policy
<i>pref</i>	Enter path option preference

Command Mode

- /exec

segment-routing traffic-engineering test bfd notif bsid session-id state

```
segment-routing traffic-engineering test bfd notif bsid <bsid_id> session-id <session_id> state <sess_state>
[ code <reason_code> ]
```

Syntax Description

segment-routing	Execute Segment Routing related command
traffic-engineering	Execute Segment Routing traffic engineering related command
test	Test commands
bfd	BFD test commands
notif	Fake a BFD notification
bsid	BSID the notification is for
<i>bsid_id</i>	BSID value
session-id	Session ID the notification is for
<i>session_id</i>	Session ID value
state	BFD session state
<i>sess_state</i>	Session State
code	(Optional) BFD session reason code
<i>reason_code</i>	(Optional) BFD session reason code value

Command Mode

- /exec

segments

[no] segments

Syntax Description

no	(Optional) Negate a command or set its defaults
segments	Candidate path-option segments

Command Mode

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

segments

[no] segments

Syntax Description

no	(Optional) Negate a command or set its defaults
segments	Candidate path-option segments

Command Mode

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

selection input

[no] selection input

Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

Command Mode

- /exec/configure/gnss-if/fsync

selection input

[no] selection input

Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

Command Mode

- /exec/configure/if-eth-base/fsync

selection input

[no] selection input

Syntax Description

no	(Optional) Negate a command or set its defaults
selection	Selection configuration
input	Enable this source for selection

Command Mode

- /exec/configure/clock-if/fsync

send-community

[no | default] send-community [both | standard]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
send-community	Send Community attribute to this neighbor
both	(Optional) Send Standard and Extended Community attributes
standard	(Optional) Send Standard Community attribute

Command Mode

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

send-community

[no | default] send-community [both | extended | standard]

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
send-community	Send Community attribute to this neighbor
both	(Optional) Send Standard and Extended Community attributes
extended	(Optional) Send Extended Community attribute
standard	(Optional) Send Standard Community attribute

Command Mode

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

send-community extended

[no | default] send-community extended

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
send-community	Send Community attribute to this neighbor
extended	Send Extended Community attribute

Command Mode

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

send-id

{ send-id <sendid> | no send-id }

Syntax Description

no	Negate a command or set its defaults
send-id	Configure TCP-AO send-id
<i>sendid</i>	send identifier

Command Mode

- /exec/configure/tcpkeychain-key

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

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

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

Syntax Description

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

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

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

Command Mode

- /exec/configure/tunnelencryptkeychain-key

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

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

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

Syntax Description

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

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

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

Command Mode

- /exec/configure/keychain-key

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

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

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

Syntax Description

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

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

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

Command Mode

- /exec/configure/macseckeychain-key

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

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

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

Syntax Description

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

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

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

Command Mode

- /exec/configure/tcpkeychain-key

send

send <line>

Syntax Description

send	Send message to open sessions
<i>line</i>	Send message (a line) to all open sessions

Command Mode

- /exec

send session

send session <s0> <line>

Syntax Description

send	Send message to open sessions
session	Send message to specific session
<i>s0</i>	Specify pts/tty device type
<i>line</i>	Enter a one line message

Command Mode

- /exec

sender

[no] sender

Syntax Description

no	(Optional) Negate a command or set its defaults
sender	Policies for a Sender

Command Mode

- /exec/configure/nbm-host-policy

sender

[no] sender

Syntax Description

no	(Optional) Negate a command or set its defaults
sender	Policies for a Sender

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy

sensor-group

[no] sensor-group <sgrp-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
sensor-group	Create a sensor group
<i>sgrp-id</i>	Identifier

Command Mode

- /exec/configure/telemetry

sequence

{ [no] sequence <seq> | no sequence }

Syntax Description

sequence	Sequence Number
<i>seq</i>	Sequence Number value

Command Mode

- /exec/configure/config-int-exporter

sequence

{ [no] sequence <seq> | no sequence }

Syntax Description

sequence	Sequence Number
<i>seq</i>	Differentiated services codepoint value

Command Mode

- /exec/configure/config-postcard-exporter

server-key 0 7

```
{ { [ no ] server-key { 0 <s0> | 7 <s1> | <s2> } } | { no server-key } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
server-key	Encryption key shared with the radius clients
0	RADIUS shared secret(clear text)
<i>s0</i>	RADIUS shared secret(clear text)
7	RADIUS shared secret(encrypted)
<i>s1</i>	RADIUS shared secret(encrypted)
<i>s2</i>	RADIUS shared secret(clear text)(Max Size 63)

Command Mode

- /exec/configure/locsvr-da-radius

server

[no] server <host0>

Syntax Description

no	(Optional) Negate a command or set its defaults
server	LDAP server name
<i>host0</i>	LDAP server name

Command Mode

- /exec/configure/ldap

server

[no] server { <hostname> }

Syntax Description

no	(Optional) Negate a command or set its defaults
server	TACACS+ server name or IP address
<i>hostname</i>	IPV4/IPV6 address or DNS name

Command Mode

- /exec/configure/tacacs+

server

[no] server <hostname>

Syntax Description

no	(Optional) Negate a command or set its defaults
server	RADIUS server name or IP address
<i>hostname</i>	IPV4/IPV6 address or DNS name

Command Mode

- /exec/configure/radius

server protocol ldap

```
[no] server protocol ldap { ipv6 <ipv6addr> | ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ] [ enable-ssl ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
server	Configure database server
protocol	Configure database protocol
ldap	Use LDAP
ipv6	IPv6 address of server
ip	IP address of server
<i>ipaddr</i>	Enter IP address of server
host	Hostname of server
<i>hostname</i>	Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
enable-ssl	(Optional) LDAP server enable ssl

Command Mode

- /exec/configure/fabric-db

server protocol radius group

[no] server protocol radius group <groupname>

Syntax Description

no	(Optional) Negate a command or set its defaults
server	Configure database server
protocol	Configure database protocol
radius	Use RADIUS
group	AAA group
<i>groupname</i>	Enter AAA group name of servers

Command Mode

- /exec/configure/fabric-db

server protocol xmpp ip

```
[no] server protocol xmpp { ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
server	Configure database server
protocol	Configure database protocol
xmpp	Use XMPP
ip	IP address of server
<i>ipaddr</i>	Enter IP address of server
host	Hostname of server
<i>hostname</i>	Enter hostname of server
port	(Optional) Port
<i>portnum</i>	(Optional) Enter port number
vrf	(Optional) vrf context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec/configure/fabric-db

service-end-point interface

[no] service-end-point interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
interface	Service connectivity interface
<i>interface</i>	Interface

Command Mode

- /exec/configure/epbr/svc

service-end-point interface

[no] service-end-point interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
interface	Service connectivity interface
<i>interface</i>	Interface

Command Mode

- /exec/configure/epbr-sess/svc

service-end-point ip

[no] service-end-point { { ip <ip-addr> } | { ipv6 <ipv6-addr> } } [interface <interface>]

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Service connectivity interface
<i>ip-addr</i>	IPv4 address in format i.i.i.i
<i>interface</i>	(Optional) Interface

Command Mode

- /exec/configure/epbr/svc

service-end-point ip

```
[no] service-end-point { { ip <ip-addr> } | { ipv6 <ipv6-addr> } } [ interface <interface> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
service-end-point	Details of service-end-point instance
ip	IPv4 address of service node
ipv6	IPv6 address of service node
interface	(Optional) Service connectivity interface
<i>ip-addr</i>	IPv4 address in format i.i.i.i
<i>interface</i>	(Optional) Interface

Command Mode

- /exec/configure/epbr-sess/svc

service-interface

[no] service-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-interface	Interface through which all end-points of service are connected
<i>interface</i>	Interface

Command Mode

- /exec/configure/epbr/svc

service-list

[no] service-list <sl-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name

Command Mode

- /exec/configure/mdns-ctrl-ser-pol

service-list in

[no] service-list <sl-name> { in | out }

Syntax Description

no	(Optional) Negate a command or set its defaults
service-list	mDNS Service List
<i>sl-name</i>	mDNS Service List Name
in	Apply Service List in IN Bound Direction
out	Apply Service List in Out Bound Direction

Command Mode

- /exec/configure/mdns-ser-pol

service-name

[no] service-name <nxsdk-service-name> [profile { <nxsdk-profile-name> | <profile-name> }]

Syntax Description

service-name	Complete path and name of file to execute
<i>nxsdk-service-name</i>	Service name
profile	(Optional) Service profile
<i>nxsdk-profile-name</i>	(Optional) Name of the profile
<i>profile-name</i>	(Optional) Name of the profile

Command Mode

- /exec/configure/nxsdk-remote

service-policy-dynamic input

[no] service-policy-dynamic input <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy-dynamic	Attach a policy to control-plane interface
input	Input the policy name
<i>policy_name</i>	Name of the policy

Command Mode

- /exec/configure/ctrl-plane-dyn

service-policy

[no] service-policy [type qos] <pmap-name-qos>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Configure hierarchial policy-map
type	(Optional) Specify the type of this policy
qos	(Optional) Qos policy
<i>pmap-name-qos</i>	Policy-map name

Command Mode

- /exec/configure/policy-map/class

service-policy

service-policy <policy-name> | no service-policy <policy-name>

Syntax Description

no	Negate a command or set its defaults
service-policy	Configure Filter to export
<i>policy-name</i>	filter name

Command Mode

- /exec/configure/service-export

service-policy

[no] service-policy <policy-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	mDNS service policy
<i>policy-name</i>	mDNS service policy name

Command Mode

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

service-policy

[no] service-policy [type qos] <inp-or-out> <pmap-name-qos> [no-stats]

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Configure service policy for an interface
type	(Optional) Specify the type of this policy
qos	(Optional) Qos policy
<i>inp-or-out</i>	
<i>pmap-name-qos</i>	Policy-map name __nil__ You must create a policy-map before using this command
no-stats	(Optional) Disable statistics for this policy

Command Mode

- /exec/configure/if-set-qos /exec/configure/if-remote-ethernet /exec/configure/if-remote-ethernet-switch /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-nve

service-policy input

[no] service-policy input <policy_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Attach a policy to control-plane interface
input	Input the policy name
<i>policy_name</i>	Name of the policy

Command Mode

- /exec/configure/ctrl-plane

service-policy type network-qos

[no] service-policy type network-qos <pmap-name-nq>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
network-qos	Network QoS policy
<i>pmap-name-nq</i>	Policy-map name

Command Mode

- /exec/configure/system/qos

service-policy type qos

[no] service-policy type qos <inp-only> <pmap-name-qos>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
qos	System-level QoS policy
<i>inp-only</i>	
<i>pmap-name-qos</i>	Policy-map name __nil__ You must create a policy-map before using this command

Command Mode

- /exec/configure/system/qos

service-policy type queuing

[no] service-policy type queuing <pmap-name-que>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Set the inner policy-map
type	Specify the type of this policy
queuing	Queuing policy
<i>pmap-name-que</i>	Policy-map name __nil__ You must create a policy-map before using this command

Command Mode

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

service-policy type queuing

[no] service-policy type queuing <inp-or-out> <pmap-name-que> [no-stats]

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Configure service policy for an interface
type	Specify the type of this policy
queuing	Queuing policy
<i>inp-or-out</i>	
<i>pmap-name-que</i>	Policy-map name
no-stats	(Optional) Disable statistics for this policy

Command Mode

- /exec/configure/if-set-que

service-policy type queuing

[no] service-policy type queuing <inp-or-out> <pmap-name-que>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-policy	Policy Map
type	Specify the type of this policy-map
queuing	DCE Queuing policy
<i>inp-or-out</i>	
<i>pmap-name-que</i>	Policy-map name

Command Mode

- /exec/configure/system/qos

service-type

[no] service-type <ser-type>

Syntax Description

no	(Optional) Negate a command or set its defaults
service-type	Specify Service-Type String
<i>ser-type</i>	Service Type String

Command Mode

- /exec/configure/mdns-ser-def

service announcement-count

[no] service announcement-count <count>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
announcement-count	Maximum Advertisements
<i>count</i>	Specify rate limit rate in pps (packets per second)

Command Mode

- /exec/configure/mdns-sd

service announcement-timer periodicity

[no] service announcement-timer periodicity <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
announcement-timer	Advertisements announce timer periodicity
periodicity	Specify Periodicity in Seconds
<i>interval</i>	Specify periodicity in Seconds

Command Mode

- /exec/configure/mdns-sd

service exclude-bootconfig

{ service exclude-bootconfig | no service exclude-bootconfig }

Syntax Description

no	Negate a command or set its defaults
service	Configure boot variables
exclude-bootconfig	exclude bootvar config from asciigen

Command Mode

- /exec/configure

service password-recovery

[no] service password-recovery

Syntax Description

no	(Optional) Negate a command or set its defaults
service	Service
password-recovery	Configure password-recovery option of console

Command Mode

- /exec/configure

service query-count

[no] service query-count <count>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
query-count	Maximum Queries
<i>count</i>	Specify Announcement Count

Command Mode

- /exec/configure/mdns-sd

service query-timer periodicity

[no] service query-timer periodicity <interval>

Syntax Description

no	(Optional) Negate a command or set its defaults
service	MDNS Service commands
query-timer	Query Forward timer periodicity
periodicity	Specify Periodicity in Seconds
<i>interval</i>	Specify periodicity in Seconds

Command Mode

- /exec/configure/mdns-sd

service unsupported-transceiver

[no] service unsupported-transceiver

Syntax Description

no	(Optional) Negate a command or set its defaults
service	Serviceability Commands
unsupported-transceiver	Configure support for transceivers not supported by Cisco

Command Mode

- /exec/configure

session-limit

[no] session-limit <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
session-limit	Set the max no of concurrent vsh sessions
<i>i0</i>	Max concurrent vsh sessions

Command Mode

- /exec/configure/line

session domain-lookup

session domain-lookup | no session domain-lookup

Syntax Description

session	Configure session preferences
no	Negate a command or set its defaults
domain-lookup	Session

Command Mode

- /exec

session protection

```
[no] session protection [ vrf { <vrf-name> | <vrf-known-name> } ] [ for <prefix-list> ] [ duration { <secs> | infinite } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
session	Configure session parameters
protection	Configure session protection parameters
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
for	(Optional) Prefix list to specify LDP peers
<i>prefix-list</i>	(Optional) Prefix list for LDP peers
duration	(Optional) Period to sustain session protection after loss of link discovery
<i>secs</i>	(Optional) Holdup time in seconds
infinite	(Optional) Protect session forever after loss of link discovery

Command Mode

- /exec/configure/ldp

set-attached-bit

[no] set-attached-bit

Syntax Description

no	(Optional) Negate a command or set its defaults
set-attached-bit	Configure L1 L2 router to set/unset attached bit in its L1 LSP

Command Mode

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

set-overload-bit

```
{ no set-overload-bit | [ no ] set-overload-bit { always | on-startup { <secs> | <seconds> } } }
```

Syntax Description

no	Negate a command or set its defaults
set-overload-bit	Signal other routers not to use us for transit
always	Set the overload bit unconditionally
on-startup	Set the overload bit on IS-IS startup
<i>secs</i>	Clear the overload bit after an elapsed time in seconds
<i>seconds</i>	Clear the overload bit after an elapsed time in seconds

Command Mode

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

set-overload-bit

```
[no] set-overload-bit | [ no ] set-overload-bit { always | on-startup { <secs> | [ <seconds> ] wait-for bgp <as>
} } [ suppress { [ interlevel ] [ external ] } ]
```

Syntax Description

no	Negate a command or set its defaults
set-overload-bit	Signal other routers not to use us for transit
always	Set the overload bit unconditionally
on-startup	Set the overload bit on IS-IS startup
<i>secs</i>	Clear the overload bit after an elapsed time in seconds
wait-for	Clear the overload bit when notified by a specific protocol
bgp	Border Gateway Protocol (BGP)
<i>seconds</i>	(Optional) Clear the overload bit after an elapsed time in seconds
<i>as</i>	Autonomous system number
suppress	(Optional) Suppress route redistribution if overload bit set
interlevel	(Optional) Suppress interlevel route redistribution
external	(Optional) Suppress external route redistribution

Command Mode

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

set

```
[no] set { { dlb-disable } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | { dscp { { <dscp-val> | <dscp-enum> } } | { tunnel { <dscp-tunnel-val> | <dscp-tunnel-enum> } } } | { cos <cos-val> } | { qos-group <qos-grp-val> } | { mpls experimental { { topmost <exp-value> } | { imposition <exp-value-imp> } } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
dlb-disable	Disable Dynamic Load Balancing
precedence	Precedence in IP(v4) and IPv6 packets
prec-tunnel	(Optional) Set Precedence in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>prec-enum</i>	
dscp	DSCP in IP(v4) and IPv6 packets
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
tunnel	Set DSCP in tunnel encapsulation
<i>dscp-tunnel-val</i>	DSCP value
<i>dscp-tunnel-enum</i>	
cos	IEEE 802.1Q Class of Service
<i>cos-val</i>	802.1Q Class of Service value
qos-group	Qos-group
<i>qos-grp-val</i>	
mpls	Set MPLS label
experimental	Set MPLS experimental label
topmost	Set MPLS topmost label
imposition	Push the label and set new one on top
<i>exp-value</i>	MPLS value
<i>exp-value-imp</i>	MPLS value

Command Mode

- /exec/configure/policy-map/class

set

```
[no] set { { cos [ inner ] <cos-val> } | { dscp [ tunnel ] { <dscp-val> | <opt_set_dscp> } } | { precedence [
tunnel1 ] { <prec-val> | <opt_set_prec> } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
inner	(Optional) Set inner 802.1Q class of service in QinQ environment
<i>cos-val</i>	802.1Q Class of Service value
dscp	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) Set DSCP in tunnel encapsulation
<i>dscp-val</i>	DSCP value
<i>opt_set_dscp</i>	
precedence	Precedence in IP(v4) and IPv6 packets
tunnel1	(Optional) Set DSCP in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>opt_set_prec</i>	

Command Mode

- /exec/configure/pmap/class

set

set <paramname> <paramval>

Syntax Description

set	Set the parameter value
<i>paramname</i>	Enter the name of the parameter
<i>paramval</i>	Enter the parameter value

Command Mode

- /exec/configure/param-inst

set

```
[no] set { { discard-class <dis-class-val> } | { { cos1 cos2 } | { dscp1 dscp2 } | { prec1 prec2 } | { dis-class1
dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | { mpls-exp-topmost1
mpls-exp-topmost2 } } table <table-map-name> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos1	IEEE 802.1Q class of service
cos2	IEEE 802.1Q class of service
dscp1	DSCP in IP(v4) and IPv6 packets
dscp2	DSCP in IP(v4) and IPv6 packets
prec1	Precedence in IP(v4) and IPv6 packets
prec2	Precedence in IP(v4) and IPv6 packets
discard-class	Discard class
dis-class1	Discard class
dis-class2	Discard class
<i>dis-class-val</i>	Discard class value
table	Table defining mapping from input to output
<i>table-map-name</i>	Table-map name
dscp3	DSCP in IP(v4) and IPv6 packets
mpls-exp-imposition	mpls-exp-imposition
mpls-exp-topmost	mpls-exp-topmost
dscp4	DSCP in IP(v4) and IPv6 packets
mpls-exp-topmost1	mpls-exp-topmost
mpls-exp-topmost2	mpls-exp-topmost

Command Mode

- /exec/configure/policy-map/class

set

[no] set { load-sharing per-packet }

Syntax Description

set	Set attribute
load-sharing	Load sharing across ECMP by set out-of-order bit
per-packet	per MiM packet
no	(Optional) Negate a command or set its defaults

Command Mode

- /exec/configure/policy-map/class

set

```
[no] set { { cos <cos-val> } | { eth-src-mac-addr <src-mac-addr> } | { eth-dest-mac-addr <dest-mac-addr> }
| { vlan <vlan-number> } | { ip-tos <ip-tos-value> <ip-tos-mask> } | { out-interface <iface-list> } | { dscp [
tunnel ] { <dscp-val> | <dscp-enum> } } | { precedence [ prec-tunnel ] { <prec-val> | <prec-enum> } } | {
discard-class <dis-class-val> } | { qos-group <qos-grp-val> } | { { { cos1 cos2 } | { dscp1 dscp2 } | { prec1
prec2 } | { dis-class1 dis-class2 } | { dscp3 mpls-exp-imposition } | { mpls-exp-topmost dscp4 } | {
mpls-exp-topmost1 mpls-exp-topmost2 } } } | { mpls experimental { { topmost <exp-value> } | { imposition
<exp-value-imp> } } } | action-strip-vlan | action-drop-pkt | divert-action | copy-action | action-decrement-ttl
| forward-normal | goto-pmap <pmap-table-handle> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
cos1	IEEE 802.1Q class of service
cos2	IEEE 802.1Q class of service
<i>cos-val</i>	802.1Q Class of Service value
eth-dest-mac-addr	Action on Layer 2 destination MAC address
eth-src-mac-addr	Action on Layer 2 source MAC address
<i>src-mac-addr</i>	Layer 2 MAC Address
<i>dest-mac-addr</i>	Layer 2 MAC Address
vlan	Set the VLAN ID
<i>vlan-number</i>	VLAN NUMBER
ip-tos	Set the IPv4 TOS
<i>ip-tos-value</i>	IPv4 TOS Value
<i>ip-tos-mask</i>	IPV4 TOS Mask
out-interface	Output to a Specified Interface
<i>iface-list</i>	Physical Interface Name and Number or List
action-strip-vlan	Perform the action STRIP-VLAN-ID
action-drop-pkt	Perform the action Drop the Packet
divert-action	Divert the packets to Controller
copy-action	Copy the packets to Controller

action-decrement-ttl	Decrement TTL on the Packet
forward-normal	Forward the packets normally
goto-pmap	Goto pmap/table
<i>pmap-table-handle</i>	Pmap-table handle
dscp	DSCP in IP(v4) and IPv6 packets
dscp1	DSCP in IP(v4) and IPv6 packets
dscp2	DSCP in IP(v4) and IPv6 packets
tunnel	(Optional) Set DSCP in tunnel encapsulation
<i>dscp-val</i>	DSCP value
<i>dscp-enum</i>	
precedence	Precedence in IP(v4) and IPv6 packets
prec1	Precedence in IP(v4) and IPv6 packets
prec2	Precedence in IP(v4) and IPv6 packets
prec-tunnel	(Optional) Set Precedence in tunnel encapsulation
<i>prec-val</i>	IP Precedence value
<i>prec-enum</i>	
discard-class	Discard class
dis-class1	Discard class
dis-class2	Discard class
<i>dis-class-val</i>	Discard class value
qos-group	Qos-group
<i>qos-grp-val</i>	Qos-group value
mpls	Set MPLS label
experimental	Set MPLS experimental label
topmost	Set MPLS topmost label
imposition	Push the label and set new one on top
<i>exp-value</i>	MPLS value
<i>exp-value-imp</i>	MPLS value
dscp3	DSCP in IP(v4) and IPv6 packets

mpls-exp-imposition	mpls-exp-imposition
mpls-exp-topmost	mpls-exp-topmost
dscp4	DSCP in IP(v4) and IPv6 packets
mpls-exp-topmost1	mpls-exp-topmost
mpls-exp-topmost2	mpls-exp-topmost

Command Mode

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

set aigp-metric difference

```
{ set aigp-metric difference <value> } | { no set aigp-metric difference [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
aigp-metric	Set Accumulated Igp-Metric for destination routing protocol
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

Command Mode

- /exec/configure/route-map

set aigp-metric igp-cost

```
{ set aigp-metric { <metric-value> | igp-cost } } | { no set aigp-metric [ { <metric-value> | igp-cost } ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
aigp-metric	Set Accumulated Igp-Metric for destination routing protocol
<i>metric-value</i>	[+/-] Accumulated Igp-Metric value
igp-cost	Enables BGP to evaluate Accumulated Igp-Metric based on igp-cost

Command Mode

- /exec/configure/route-map

set as-path-length difference

```
{ set as-path-length difference <value> } | { no set as-path-length difference [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path-length	as-path-length value
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

Command Mode

- /exec/configure/route-map

set as-path none remote-as local-as

{ set as-path { none | { <asn> | remote-as | local-as } + } } | { no set as-path { none | { <asn> | remote-as | local-as } + } }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	for a BGP AS-path manipulation attribute
none	Set Empty AS-path
<i>asn</i>	<AA4> where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
remote-as	set aspath with remote-as
local-as	set aspath with local-as

Command Mode

- /exec/configure/route-map

set as-path prepend last-as tag

```
{ set as-path { prepend { last-as <lastas> | <as> + } | tag } } | { no set as-path { prepend [ last-as [ <lastas> ] | <as> + ] | tag } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	Prepend string for a BGP AS-path attribute
prepend	Prepend to the AS-Path
last-as	Prepend last AS to the as-path
<i>lastas</i>	number of last-AS prepends
<i>as</i>	AS number
tag	Set the tag as an AS-path attribute

Command Mode

- /exec/configure/route-map

set as-path replace private-as

```
{ set as-path replace [ <asn> + ] { <asn_trail> | private-as } [ with { <r_asn> | remote-as | none } ] } | { no set as-path replace }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
as-path	Prepend string for a BGP AS-path attribute
replace	Replace the AS-path attribute
<i>asn</i>	(Optional) <AA4>, where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
<i>asn_trail</i>	<AA4>, where AA4 is either <1-4294967295> or <1-65535>[.<0-65535>] format
private-as	Replace private-as range
with	(Optional) replace with remote-as or asn
<i>r_asn</i>	(Optional) AS number
remote-as	(Optional) replace asn with remote-as
none	(Optional) remove the matched asn

Command Mode

- /exec/configure/route-map

set comm-list delete

```
{ { set comm-list <name> delete } | { no set comm-list } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
comm-list	set BGP community list (for deletion)
<i>name</i>	Community list name
delete	Delete matching communities

Command Mode

- /exec/configure/route-map

set cos

[no] set cos <cos-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q class of service
<i>cos-val</i>	802.1Q Class of Service value

Command Mode

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

set cos

[no] set cos <cos-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
cos	IEEE 802.1Q Class of Service
<i>cos-val</i>	802.1Q Class of Service value

Command Mode

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

set dampening

```
{ set dampening <halflife> <reuse> <supress> <duration> } | { no set dampening [ <halflife> <reuse> <supress> <duration> ] }
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>set</code>	Set values in destination routing protocol
<code>dampening</code>	Set BGP route flap dampening parameters
<i>halflife</i>	half-life time for the penalty
<i>reuse</i>	penalty to start reusing a route
<i>supress</i>	penalty to start suppressing a route
<i>duration</i>	Maximum duration to suppress a stable route

Command Mode

- /exec/configure/route-map

set distance

```
{ set distance <external-dist> [ <internal-dist> [ <local-dist> ] ] } | { no set distance }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
distance	Set the Administrative distance of route
<i>external-dist</i>	Administrative distance for IGP or EBGP routes
<i>internal-dist</i>	(Optional) Administrative distance for internal routes
<i>local-dist</i>	(Optional) Administrative distance for local routes

Command Mode

- /exec/configure/route-map

set esi all

```
{ { set esi { all-zeroes | unchanged } } | { no set esi [ all-zeroes | unchanged ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
esi	Ethernet Segment Identifier
all-zeroes	Set ESI to all-zeroes
unchanged	ESI setting will remain unchanged

Command Mode

- /exec/configure/route-map

set evpn gateway-ip

set evpn gateway-ip { <addr> | use-nexthop } | no set evpn gateway-ip [<addr> | use-nexthop]

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
evpn	Set BGP EVPN Routes
gateway-ip	Set gateway IP for type 5 EVPN routes
use-nexthop	Use nexthop address as gateway IP
<i>addr</i>	Gateway IP address
<i>use-nexthop</i>	(Optional)

Command Mode

- /exec/configure/route-map

set extcomm-list delete

```
{ { set extcomm-list <name> delete } | { no set extcomm-list [ <name> delete ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcomm-list	set BGP extcommunity list (for deletion)
<i>name</i>	Extended Community list name
delete	Delete matching extcommunities

Command Mode

- /exec/configure/route-map

set extcommunity 4byteas-generic transitive additive

```
{ set extcommunity 4byteas-generic { { transitive <ext-comm-gen-trans> | non-transitive
<ext-comm-gen-nontrans> } + [ additive ] | additive | none } } | { no set extcommunity 4byteas-generic [ {
transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } + [ additive ] | additive | none
] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
4byteas-generic	Generic extended community
additive	(Optional) Add to existing generic extcommunity
none	No extcommunity generic attribute
transitive	Transitive extended community
non-transitive	Non-Transitive extended community
<i>ext-comm-gen-trans</i>	Extcommunity number aa4:nn format
<i>ext-comm-gen-nontrans</i>	Extcommunity number aa4:nn format
<i>additive</i>	transitive
<i>additive</i>	(Optional) <ext-comm-gen-trans>

Command Mode

- /exec/configure/route-map

set extcommunity bandwidth

```
{ set extcommunity bandwidth <bw-value> } | { no set extcommunity bandwidth [ <bw-value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
bandwidth	Link-bandwidth extended community
<i>bw-value</i>	Rate in Mbps (bandwidth)

Command Mode

- /exec/configure/route-map

set extcommunity color

```
{ set extcommunity color <color-value> [ co-flag <co-flag-value> ] } | { no set extcommunity color [ <color-value> [ co-flag [ <co-flag-value> ] ] ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
color	Color Extended Community
co-flag	(Optional) Color only (CO) flags bits setting (default 00)
<i>color-value</i>	Color Community value
<i>co-flag-value</i>	(Optional) Set the value of the Color-Only bits field in the community

Command Mode

- /exec/configure/route-map

set extcommunity cost

```
{ set extcommunity cost { [ igp | pre-bestpath ] <comm-id> <cost-value> } + } | { no set extcommunity cost
[ [ igp | pre-bestpath ] <comm-id> <cost-value> ] + }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
cost	Cost
igp	(Optional) Compare following IGP cost comparison
pre-bestpath	(Optional) Compare before all other steps in bestpath calculation
<i>comm-id</i>	Community ID
<i>cost-value</i>	Cost Community value
<i>igp</i>	(Optional) pre-bestpath
<i>comm-id</i>	(Optional) <cost-value>

Command Mode

- /exec/configure/route-map

set extcommunity evpn rmac

```
{ set extcommunity evpn rmac <mac-addr> } | { no set extcommunity evpn rmac <mac-addr> }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
evpn	EVPN Extended Community
rmac	Router MAC
<i>mac-addr</i>	MAC address

Command Mode

- /exec/configure/route-map

set extcommunity rt additive

```
{ set extcommunity rt { { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } + [ additive ] | additive } } | {
no set extcommunity rt [ { <ext-comm-rt-aa2nn4> | <ext-comm-rt-aa4nn2> } + [ additive ] | additive ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
extcommunity	Set BGP extcommunity attribute
rt	Route-Target
additive	(Optional) Add to existing rt extcommunity
<i>ext-comm-rt-aa2nn4</i>	Extcommunity number
<i>ext-comm-rt-aa4nn2</i>	Extcommunity number
<i>ext-comm-rt-aa2nn4</i>	(Optional) <ext-comm-rt-aa4nn2>

Command Mode

- /exec/configure/route-map

set filter ip

```
set filter <seqno> ip { src-ip <src-ip> dst-ip <dst-ip> [ protocol <prot> [ l4-src-port { any | <l4-src-port> }
l4-dst-port { any | <l4-dst-port> } ] ] } +
```

Syntax Description

set	Setup a 5-tuple filter
filter	Define a 5-tuple filter
<i>seqno</i>	Sequence number
ip	Configure IPv4 Filter
src-ip	Source IPv4 address
<i>src-ip</i>	Source IPv4 address with prefix
dst-ip	Destination IPv4 address
<i>dst-ip</i>	Destination IPv4 address with prefix
protocol	(Optional) Protocol
<i>prot</i>	(Optional)
l4-src-port	(Optional) Source L4 port
any	(Optional) Any L4 source port between 0 - 65535
<i>l4-src-port</i>	(Optional) Enter Source L4 port number
l4-dst-port	(Optional) Destination L4 port
any	(Optional) Any L4 destination port between 0 - 65535
<i>l4-dst-port</i>	(Optional) Enter Destination L4 port number

Command Mode

- /exec/flow-path-tracer

set filter ipv6

```
set filter <seqno> ipv6 { src-ipv6 <src-ipv6> dst-ipv6 <dst-ipv6> [ protocol <prot> [ l4-src-port { any | <l4-src-port> } l4-dst-port { any | <l4-dst-port> } ] ] } +
```

Syntax Description

set	Setup a 5-tuple filter
filter	Define a 5-tuple filter
<i>seqno</i>	Sequence number
ipv6	Configure IPv6 Filter
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
protocol	(Optional) Protocol
<i>prot</i>	(Optional)
l4-src-port	(Optional) Source L4 port
any	(Optional) Any L4 source port between 0 - 65535
<i>l4-src-port</i>	(Optional) Source L4 port number
l4-dst-port	(Optional) Destination L4 port
any	(Optional) Any L4 destination port between 0 - 65535
<i>l4-dst-port</i>	(Optional) Destination L4 port number

Command Mode

- /exec/flow-path-tracer

set forwarding-address

[no] set forwarding-address

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
forwarding-address	Set the forwarding address

Command Mode

- /exec/configure/route-map

set inner ipv4

```
set inner ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset
ttl	(Optional) Time to Live

<i>ttl_val</i>	(Optional) Time to Live
next-protocol	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
src_ip	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
dst_ip	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elamns/set4

set inner ipv4

set { inner | outer } ipv4 [{ l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <sip> | dst_ip <dip> }] +

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset

<code>ttl</code>	(Optional) Time to Live
<code>ttl_val</code>	(Optional) Time to Live
<code>next-protocol</code>	(Optional) Next(L4) Protocol
<code>nproto</code>	(Optional) Next(L4) Protocol
<code>checksum</code>	(Optional) Checksum
<code>csum</code>	(Optional) Checksum
<code>src_ip</code>	(Optional) Source IP Address
<code>sip</code>	(Optional) Source IP Address
<code>dst_ip</code>	(Optional) Destination IP Address
<code>dip</code>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel6

set inner l2

```
set { inner | outer } l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id>
| cos <cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif>
| vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid

<i>vntag_pointer</i>	(Optional) VNTAG Header Pointer Valid
<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/se15

set inner l2

```
set inner l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> | cos
<cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif> |
vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid
vntag_pointer	(Optional) VNTAG Header Pointer Valid

<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elamns/se14

set inner l2 hg2

```
set { inner | outer } l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror>
| hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched

hg2_tc	(Optional) High Gig2 Packet Traffic Class
<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
hg2_dp	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
hg2_mcast	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
hg2-vld	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
hg2-cos	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/se15

set inner l2 hg2

```
set inner l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror> |
hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2-vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched
hg2_tc	(Optional) High Gig2 Packet Traffic Class

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elamns/sel4

set inner l4

```
set inner l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags <flag_val>
} ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
l4	L4 Fields
src-port	(Optional) Source Port Information
<i>sport</i>	(Optional) Source Port
dst-port	(Optional) Destination Port Information
<i>dport</i>	(Optional) Destination Port
packet-len	(Optional) Packet Length
<i>pkt_len</i>	(Optional) Packet Length
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
flags	(Optional) L4 Flags
<i>flag_val</i>	(Optional) L4 Flags

Command Mode

- /exec/elanms/setl4

set inner l4

```
set { inner | outer } l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags
<flag_val> } ] +
```

Syntax Description

set	Setup Trigger
inner	Mask and Match By Inner Packet Fields
outer	Mask and Match By Outer Packet Fields
l4	L4 Fields
src-port	(Optional) Source Port Information
<i>sport</i>	(Optional) Source Port
dst-port	(Optional) Destination Port Information
<i>dport</i>	(Optional) Destination Port
packet-len	(Optional) Packet Length
<i>pkt_len</i>	(Optional) Packet Length
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
flags	(Optional) L4 Flags
<i>flag_val</i>	(Optional) L4 Flags

Command Mode

- /exec/elanms/se17

set interface

[no] set interface <i>iface</i>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
interface	Output interface
<i>iface</i>	Interface name

Command Mode

- /exec/configure/route-map

set interval find-new-host

[no] set interval find-new-host <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set vmtracker options
interval	Set the polling interval
find-new-host	Set interval for the new host searching timer
<i>val</i>	The host search interval value in seconds (0 to disable)

Command Mode

- /exec/configure/vmt-conn

set interval sync-full-info

[no] set interval sync-full-info <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set vmtracker options
interval	Set the polling interval
sync-full-info	Set interval for syncing complete info from host
<i>val</i>	The sync info interval value in seconds (0 to disable)

Command Mode

- /exec/configure/vmt-conn

set ip address prefix-list

[no] set ip address prefix-list <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
address	Specify IP address
prefix-list	IP prefix-list
<i>name</i>	Name of prefix list

Command Mode

- /exec/configure/route-map

set ip default next-hop

[no] set ip default next-hop [recursive] { load-share | <addr1> + [load-share] }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
default	Set default next-hop
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
load-share	Enables load sharing

Command Mode

- /exec/configure/route-map

set ip default next-hop verify-availability

[no] set ip default next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
default	Set default next-hop
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>addr</i>	IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ip default vrf next-hop

```
[no] set ip default vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { load-share | <addr1> + [ load-share ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>addr1</i>	IP address of next hop
load-share	Enables load sharing
<i>load-share</i>	(Optional)

Command Mode

- /exec/configure/route-map

set ip default vrf next-hop verify-availability

[no] set ip default vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>addr</i>	IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop [ recursive ] { { <addr1>+ [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop { <addr1> srte-policy { name <name-value> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

Command Mode

- /exec/configure/route-map

set ip next-hop

```
[no] set ip next-hop { <addr1> srte-policy { color <color-value> [ endpoint <endpoint-value> ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	(Optional) Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	(Optional) IPv4 endpoint address

Command Mode

- /exec/configure/route-map

set ip next-hop peer-address

[no] set ip next-hop peer-address

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
peer-address	Use peer address (for BGP only)

Command Mode

- /exec/configure/route-map

set ip next-hop redistrib-unchanged

[no] set ip next-hop redistrib-unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
redistrib-unchanged	Use unchanged address during redistribution (for BGP session only)

Command Mode

- /exec/configure/route-map

set ip next-hop unchanged

[no] set ip next-hop unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
unchanged	Use unchanged address (for eBGP session only)

Command Mode

- /exec/configure/route-map

set ip next-hop verify-availability

```
[no] set ip next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>addr1</i>	(Optional) IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set ip precedence

```
{ set ip precedence { <value> | <name> } } | { no set ip precedence [ <value> | <name> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
precedence	Set precedence field
<i>value</i>	Precedence value
<i>name</i>	Precedence value

Command Mode

- /exec/configure/route-map

set ip vrf next-hop

```
[no] set ip vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { { <addr1> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
vrf	Use VRF
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
next-hop	Next hop address
<i>addr1</i>	IP address of next hop
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	force-order

Command Mode

- /exec/configure/route-map

set ip vrf next-hop verify-availability

```
[no] set ip vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ip	Configure IP features
vrf	Use VRF
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
<i>addr1</i>	(Optional) IP address of next hop
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set ipv6 address prefix-list

[no] set ipv6 address prefix-list <name>

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
address	Specify IP address
prefix-list	IPv6 prefix-list
<i>name</i>	Name of prefix list

Command Mode

- /exec/configure/route-map

set ipv6 default next-hop

[no] set ipv6 default next-hop [recursive] { load-share | <addr1> + [load-share] }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
default	Set default next-hop
next-hop	Next hop address
load-share	Enables load sharing
<i>addr1</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 default next-hop verify-availability

[no] set ipv6 default next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
default	Set default next-hop
verify-availability	Verify the reachability of the tracked object
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ipv6 default vrf next-hop

```
[no] set ipv6 default vrf { <vrf-name> | <vrf-known-name> } next-hop [ recursive ] { load-share | <addr1> +
[ load-share ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
next-hop	Next hop address
recursive	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
load-share	Enables load sharing
<i>load-share</i>	(Optional)
<i>addr1</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 default vrf next-hop verify-availability

[no] set ipv6 default vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { <addr> [track <object_id>] } [load-share]

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
default	Set default next-hop
vrf	Use VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
verify-availability	Verify the reachability of the tracked object
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

```
[no] set ipv6 next-hop { <addr1> srte-policy { name <name-value> } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

[no] set ipv6 next-hop { { <addr> + [{ drop-on-fail | force-order | load-share } +] } | { { drop-on-fail | force-order | load-share } + } }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop ipv6 address
load-share	(Optional) Enables load sharing
force-order	(Optional) Enables Next-hop ordering as per cli
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>addr</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 next-hop

```
[no] set ipv6 next-hop { <addr1> srte-policy { color <color-value> [ endpoint <endpoint-value> ] } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	(Optional) Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	(Optional) IPv4 endpoint address

Command Mode

- /exec/configure/route-map

set ipv6 next-hop peer-address

[no] set ipv6 next-hop peer-address

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
peer-address	Use peer address (for BGP only)

Command Mode

- /exec/configure/route-map

set ipv6 next-hop redist-unchanged

[no] set ipv6 next-hop redist-unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
redist-unchanged	Use unchanged address during redistribution (for BGP session only)

Command Mode

- /exec/configure/route-map

set ipv6 next-hop unchanged

[no] set ipv6 next-hop unchanged

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
unchanged	Use unchanged address (for eBGP session only)

Command Mode

- /exec/configure/route-map

set ipv6 next-hop verify-availability

```
[no] set ipv6 next-hop verify-availability { [ <addr1> [ track <object_id> ] ] { { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share ] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [ force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set ipv6 precedence

```
{ set ipv6 precedence { <value> | <name> } } | { no set ipv6 precedence [ <value> | <name> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
precedence	Set precedence field
<i>value</i>	Precedence value
<i>name</i>	Precedence value

Command Mode

- /exec/configure/route-map

set ipv6 vrf next-hop

```
[no] set ipv6 vrf { <vrf-name> | <vrf-known-name> } next-hop { { <addr> + [ { drop-on-fail | force-order | load-share } + ] } | { { drop-on-fail | force-order | load-share } + } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
vrf	Use VRF
next-hop	Next hop ipv6 address
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
load-share	(Optional) Enables load sharing
force-order	(Optional) Enables Next-hop ordering as per cli
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	force-order
<i>addr</i>	load-share

Command Mode

- /exec/configure/route-map

set ipv6 vrf next-hop verify-availability

```
[no] set ipv6 vrf { <vrf-name> | <vrf-known-name> } next-hop verify-availability { [ <addr1> [ track
<object_id> ] ] { [ drop-on-fail ] [ load-share ] [ force-order ] } | { [ drop-on-fail ] [ force-order ] [ load-share
] } | { [ load-share ] [ drop-on-fail ] [ force-order ] } | { [ load-share ] [ force-order ] [ drop-on-fail ] } | { [
force-order ] [ drop-on-fail ] [ load-share ] } | { [ force-order ] [ load-share ] [ drop-on-fail ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
ipv6	Configure IPv6 features
vrf	Use VRF
next-hop	Next hop address
verify-availability	Verify the reachability of the tracked object
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
track	(Optional) The tracking method is track
<i>object_id</i>	(Optional) Object number that the tracking subsystem is tracking
load-share	(Optional) Enables load sharing
force-order	(Optional) Maintains next-hop order as per cli config
drop-on-fail	(Optional) Drop packets when next-hop unreachable
<i>load-share</i>	(Optional) force-order

Command Mode

- /exec/configure/route-map

set label-index

```
{ { set label-index <value> } | { no set label-index [ <value> ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
label-index	Set Segment Routing (SR) label index of route
<i>value</i>	Segment Routing (SR) label index

Command Mode

- /exec/configure/route-map

set large-community-list delete

```
{ { set large-community-list <name> delete } | { no set large-community-list [ <name> delete ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
large-community-list	Set BGP large community list (for deletion)
<i>name</i>	Large community list name
delete	Delete matching large communities

Command Mode

- /exec/configure/route-map

set large-community none additive

```
{ set large-community { none | { additive | <large-comm-xyyyz> } + } } | { no set large-community [ { none | { additive | <large-comm-xyyyz> } + } ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
large-community	Set BGP large community attribute
additive	Add to existing large community
none	No large community attribute
<i>large-comm-xyyyz</i>	Large Community number in xx:yy:zz format
<i>large-comm-xyyyz</i>	(Optional) additive

Command Mode

- /exec/configure/route-map

set level level-1 level-1-2 level-2

{ set level { level-1 | level-1-2 | level-2 } } | { no set level [level-1 | level-1-2 | level-2] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
level	Where to import route
level-1	Import into a level-1 area
level-1-2	Import into level-1 and level-2
level-2	Import into level-2 sub-domain

Command Mode

- /exec/configure/route-map

set load-share

```
{ set load-share <value> } | { no set load-share [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
<i>value</i>	Load-share value

Command Mode

- /exec/configure/route-map

set load-share multipath-equal-group

```
{ set load-share multipath-equal-group <value> } | { no set load-share multipath-equal-group [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
multipath-equal-group	Load-share value for Multipath Equal Group
<i>value</i>	Load-share value

Command Mode

- /exec/configure/route-map

set load-share multipath-unequal-group

```
{ set load-share multipath-unequal-group <value> } | { no set load-share multipath-unequal-group [ <value> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
load-share	Load-share value for destination routing protocol
multipath-unequal-group	Load-share value for Multipath Unequal Group
<i>value</i>	Load-share value

Command Mode

- /exec/configure/route-map

set local-preference

{ set local-preference <pref> | no set local-preference [<pref>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
local-preference	BGP local preference path attribute
<i>pref</i>	Preference value

Command Mode

- /exec/configure/route-map

set maximum-paths

{ set maximum-paths <value> } | { no set maximum-paths [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
maximum-paths	Maximum path allowed in destination routing protocol
<i>value</i>	Maximum path value

Command Mode

- /exec/configure/route-map

set metric

```
{ set metric <metric0> [ <metric1> <metric2> <metric3> <metric4> ] } | { no set metric [ <metric0> [ <metric1> <metric2> <metric3> <metric4> ] ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
metric	Set metric for destination routing protocol
<i>metric0</i>	[+/-] Metric value or Bandwidth in Kbits per second
<i>metric1</i>	(Optional) IGRP delay metric
<i>metric2</i>	(Optional) IGRP reliability metric where 255 is 100% reliable
<i>metric3</i>	(Optional) IGRP Effective bandwidth metric (Loading) 255 is 100%
<i>metric4</i>	(Optional) IGRP MTU of the path

Command Mode

- /exec/configure/route-map

set metric difference

{ set metric difference <value> } | { no set metric difference [<value>] }

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
metric	Set metric for destination routing protocol
difference	Difference in the value allowed in destination routing protocol
<i>value</i>	Difference value

Command Mode

- /exec/configure/route-map

set mpls-exp-topmost cos table exp-cos-map

[no] set mpls-exp-topmost cos table exp-cos-map

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set attribute
mpls-exp-topmost	MPLS experimental topmost
cos	IEEE 802.1Q Class of Service
table	Table map
exp-cos-map	Exp to cos table map name (reserved)

Command Mode

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

set nssa-only

[no] set nssa-only

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
nssa-only	OSPF NSSA Areas

Command Mode

- /exec/configure/route-map

set origin egp igp incomplete

```
{ set origin { egp | igp | incomplete } } | { no set origin [ { egp | igp | incomplete } ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
origin	BGP origin code
egp	remote EGP
igp	local IGP
incomplete	unknown heritage

Command Mode

- /exec/configure/route-map

set outer ipv4

```
set outer ipv4 [ { l3-type <l3_type> | pyld-len <pyld_len> | v6-vld <v6_vld> | version <ver> | header-len <hlen> | dscp <dscp_val> | ecn <ecn_val> | packet-len <pkt_len> | more-frags <mf> | fragment-off <fragoff> | ttl <ttl_val> | next-protocol <nproto> | checksum <csum> | src_ip <src_ip> | dst_ip <dst_ip> } ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
ipv4	IPv4 Fields
l3-type	(Optional) L3 Packet Type
<i>l3_type</i>	(Optional) L3 Packet Type
pyld-len	(Optional) Payload Length
<i>pyld_len</i>	(Optional) Payload Length
v6-vld	(Optional) IPv6 Valid Information
<i>v6_vld</i>	(Optional) IPv6 Valid Information
version	(Optional) Version
<i>ver</i>	(Optional) Version
header-len	(Optional) Header Length
<i>hlen</i>	(Optional) Header Length
dscp	(Optional) Diff. Serv. Code Point
<i>dscp_val</i>	(Optional) Diff. Serv. Code Point
ecn	(Optional) Explicit Congestion Ntn
<i>ecn_val</i>	(Optional) Explicit Congestion Ntn
packet-len	(Optional) Packet Total Length
<i>pkt_len</i>	(Optional) Packet Total Length
more-frags	(Optional) More Fragments Available
<i>mf</i>	(Optional) More Fragments Available
fragment-off	(Optional) Fragments Offset
<i>fragoff</i>	(Optional) Fragments Offset
ttl	(Optional) Time to Live

<i>ttl_val</i>	(Optional) Time to Live
next-protocol	(Optional) Next(L4) Protocol
<i>nproto</i>	(Optional) Next(L4) Protocol
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
src_ip	(Optional) Source IP Address
<i>sip</i>	(Optional) Source IP Address
dst_ip	(Optional) Destination IP Address
<i>dip</i>	(Optional) Destination IP Address

Command Mode

- /exec/elanms/sel3

set outer l2

```
set outer l2 [ { snap_vld <snap_vld> | cntag_vld <cntag_vld> | qtag_vld <qtag_vld> | vlan <vlan_id> | cos
<cos_val> | cfi <cfi_vld> | vntag_vld <vntag_vld> | vntag_svif <vntag_svif> | vntag_dvif <vntag_dvif> |
vntag_looped <vntag_loop> | vntag_pointer <vntag_p> | src_mac <smac> | dst_mac <dmac> } ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
snap_vld	(Optional) SNAP Header Information Valid
<i>snap_vld</i>	(Optional) SNAP Header Information Valid
cntag_vld	(Optional) CNTag Information Valid
<i>cntag_vld</i>	(Optional) CNTag Information Valid
qtag_vld	(Optional) VLAN Tag Information Valid
<i>qtag_vld</i>	(Optional) VLAN Tag Information Valid
vlan	(Optional) VLAN Id (Present only in case of FEX)
<i>vlan_id</i>	(Optional) VLAN Id
cos	(Optional) Class of Service
<i>cos_val</i>	(Optional) Class of Service Type
cfi	(Optional) CFI Setting
<i>cfi_vld</i>	(Optional) CFI Setting Valid
vntag_vld	(Optional) VNTAG Information Valid
<i>vntag_vld</i>	(Optional) VNTAG Information Valid
vntag_svif	(Optional) VNTAG Source vif
<i>vntag_svif</i>	(Optional) VNTAG Source vif
vntag_dvif	(Optional) VNTAG Destination vif
<i>vntag_dvif</i>	(Optional) VNTAG Destination vif
vntag_looped	(Optional) VNTAG Header Looped Valid
<i>vntag_loop</i>	(Optional) VNTAG Header Looped Valid
vntag_pointer	(Optional) VNTAG Header Pointer Valid

<i>vntag_p</i>	(Optional) VNTAG Header Pointer Valid
<i>src_mac</i>	(Optional) Source MAC Address
<i>smac</i>	(Optional) Source MAC Address Value
<i>dst_mac</i>	(Optional) Destination MAC Address
<i>dmac</i>	(Optional) Destination MAC Address Value

Command Mode

- /exec/elanms/sel3

set outer l2 hg2

```
set outer l2 hg2 [ { hg2_vid <hg2_vlan> | hg2_ppd_type <hg2_ppd_type> | hg2_mirror <hg2_mirror> |
hg2_opcode <hg2_opcode> | hg2_dstpid <hg2_dpid> | hg2_dstmod <hg2_dmod> | hg2_srcpid <hg2_spid>
| hg2_srcmod <hg2_smod> | hg2_l3vld <hg2_l3_vld> | hg2_tc <hg2_tc> | hg2_dp <hg2_dp> | hg2_mcast
<hg2_mcast_vld> | hg2_vld <hg2_vld> | hg2-cos <hg2_cos> } ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l2	All Layer 2 Fields
hg2	High Gig2 Fields
hg2_vid	(Optional) High Gig2 VLAN Tag
<i>hg2_vlan</i>	(Optional) High Gig2 VLAN Tag Information
hg2_ppd_type	(Optional) High Gig2 Packet Processing Descriptor
<i>hg2_ppd_type</i>	(Optional) High Gig2 Packet Processing Descriptor
hg2_mirror	(Optional) High Gig2 Packet Mirror Information
<i>hg2_mirror</i>	(Optional) High Gig2 Packet Mirror Information
hg2_opcode	(Optional) High Gig2 Packet Type
<i>hg2_opcode</i>	(Optional) High Gig2 Packet Type
hg2_dstpid	(Optional) High Gig2 Destination Port ID
<i>hg2_dpid</i>	(Optional) High Gig2 Destination Port ID
hg2_dstmod	(Optional) High Gig2 Destination Module ID
<i>hg2_dmod</i>	(Optional) High Gig2 Destination Module ID
hg2_srcpid	(Optional) High Gig2 Source Port ID
<i>hg2_spid</i>	(Optional) High Gig2 Source Port ID
hg2_srcmod	(Optional) High Gig2 Souce Module ID
<i>hg2_smod</i>	(Optional) High Gig2 Souce Module ID
hg2_l3vld	(Optional) High Gig2 Packet L3 Switched
<i>hg2_l3_vld</i>	(Optional) High Gig2 Packet L3 Switched
hg2_tc	(Optional) High Gig2 Packet Traffic Class

<i>hg2_tc</i>	(Optional) High Gig2 Packet Traffic Class
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_dp</i>	(Optional) High Gig2 Drop Precedence
<i>hg2_mcast</i>	(Optional) High Gig2 MultiCast Forwarding Information
<i>hg2_mcast_vld</i>	(Optional) High Gig2 Multicast Forwarding Information
<i>hg2-vld</i>	(Optional) High Gig2 Valid Information
<i>hg2_vld</i>	(Optional) High Gig2 Valid Information
<i>hg2-cos</i>	(Optional) High Gig2 CoS Information
<i>hg2_cos</i>	(Optional) High Gig2 CoS Information

Command Mode

- /exec/elanms/sel3

set outer l4

```
set outer l4 [ { src-port <sport> | dst-port <dport> | packet-len <pkt_len> | checksum <csum> | flags <flag_val>
} ] +
```

Syntax Description

set	Setup Trigger
outer	Mask and Match By Outer Packet Fields
l4	L4 Fields
src-port	(Optional) Source Port Information
<i>sport</i>	(Optional) Source Port
dst-port	(Optional) Destination Port Information
<i>dport</i>	(Optional) Destination Port
packet-len	(Optional) Packet Length
<i>pkt_len</i>	(Optional) Packet Length
checksum	(Optional) Checksum
<i>csum</i>	(Optional) Checksum
flags	(Optional) L4 Flags
<i>flag_val</i>	(Optional) L4 Flags

Command Mode

- /exec/elanms/sel3

set pktrw

```
set pktrw { mcast <mcast> | sup_redir <sured> | bcm_proxy <bcm_proxy> | excep_case <excep> | transit
<trans> | vpc_df <vpc_df> | src_tep_idx <src_tep> | lat_update <lat_update> | lat_idx <lat_idx> | src_class
<sclass> | ol_fb_met <ol_fb_met> | ol_fb_vpath <ol_fb_vpath> | ol_dre <ol_dre> | ol_vpath <ol_vpath> |
ol_dp <ol_dp> | ol_sp <ol_sp> | ol_e <ol_e> | ol_dl <ol_dl> | ol_lb <ol_lb> | ol_mark <ol_mark> | ol_udp_sp
<ol_udp_sp> | ol_ftag <ol_ftag> | ol_segid <ol_segid> | ol_ttl <ol_ttl> | ol_ecn <ol_ecn> | ol_dscp <ol_dscp>
| ol_de <ol_de> | ol_cos <ol_cos> | ol_mac <ol_mac> | ol_encap_idx <ol_encap> | ol_vpc <ol_vpc> | ol_idx
<ol_idx> | ttl <ttl> | dscp <dscp> | vlan1 <vlan1> | ecn_coi <ecn_coi> | ecn_cio <ecn_cio> | ttl_coi <ttl_coi>
| ttl_cio <ttl_cio> | adj_idx <adj_idx> | vntag_svif <vntag_svif> | de <de> | cos <cos> | vlan0 <vlan0> | adj_vld
<adj_vld> | uc_routed <uc_routed> | loopback <lpb> | ecn <ecn> | hg2_vid <hg2_vlan> | hg2_ppd <hg2_ppd>
| hg2_tc_sup_copy <hg2_tcscopy> | hg2_tc <hg2_tc> | hg2_lbid <hg2_lbid> | hg2_opc <hg2_opc> | hg2_dstpid
<hg2_dpид> | hg2_srcpid <hg2_spид> | hg2_dstmod <hg2_dmod> | hg2_srcmod <hg2_smod> | op_inner
<op_inner> | op_qtag <op_qtag> | op_vntag <op_vntag> | op_outer <op_outer> | pkt_type <pkt_type> | drop
<drp> | pkt_tstmp <pkt_tstmp> | tstmp <tstmp> | cap_tstmp <cap_tstmp> | len_info <len_info> | len_type
<len_type> | pktid <pktid> | srcid <srcid> | pktfmt1 <pktfmt1> | pktfmt0 <pktfmt0> | hg2_cos <hg2_cos> }
+
```

Syntax Description

set	Setup Trigger
pktrw	All packet re-write fields
mcast	mcast
<i>mcast</i>	Mcast
sup_redir	Sup Redirect
<i>sured</i>	Sup Redirect
bcm_proxy	Broadcom Proxy
<i>bcm_proxy</i>	Broadcom Proxy
excep_case	Excep_case
<i>excep</i>	Excep_case
transit	Transit
<i>trans</i>	Transit
vpc_df	VPC_df
<i>vpc_df</i>	VPC_df
src_tep_idx	Src TEP Index
<i>src_tep</i>	Src TEP Index
lat_update	Lat Update

<i>lat_update</i>	Lat Update
lat_idx	Lat Index
<i>lat_idx</i>	Lat Index
src_class	Source Class
<i>sclass</i>	Source Class
ol_fb_met	Ol_fb_metric
<i>ol_fb_met</i>	Ol_fb_metric
ol_fb_vpath	Ol_fb_vpath
<i>ol_fb_vpath</i>	Ol_fb_vpath
ol_dre	Ol_dre
<i>ol_dre</i>	Ol_dre
ol_vpath	Ol_vpath
<i>ol_vpath</i>	Ol_vpath
ol_dp	Ol_dp
<i>ol_dp</i>	Ol_dp
ol_sp	Ol_sp
<i>ol_sp</i>	Ol_sp
ol_e	Ol_e
<i>ol_e</i>	Ol_e
ol_dl	Ol_dl
<i>ol_dl</i>	Ol_dl
ol_lb	Ol_lb
<i>ol_lb</i>	Ol_lb
ol_mark	Ol_mark
<i>ol_mark</i>	Ol_mark
ol_udp_sp	Ol_UDP_sp
<i>ol_udp_sp</i>	Ol UDP Source Port
ol_ftag	Ol_ftag
<i>ol_ftag</i>	Ol_ftag

ol_segid	Ol_segid
<i>ol_segid</i>	Ol_segid
ol_ttl	Ol_TTL
<i>ol_ttl</i>	Ol_TTL
ol_ecn	Ol_ecn
<i>ol_ecn</i>	Ol_ecn
ol_dscp	Ol_dscp
<i>ol_dscp</i>	Ol_dscp
ol_de	Ol_de
<i>ol_de</i>	Ol_de
ol_cos	Ol_cos
<i>ol_cos</i>	Ol_cos
ol_mac	Ol_mac
<i>ol_mac</i>	Ol_mac
ol_encap_idx	Ol_encap_idx
<i>ol_encap</i>	Ol_encap_idx
ol_vpc	Ol_VPC
<i>ol_vpc</i>	Ol_VPC
ol_idx	Ol_idx
<i>ol_idx</i>	Ol_idx
ttl	TTL
<i>ttl</i>	TTL
dscp	DSCP
<i>dscp</i>	DSCP
vlan1	Vlan1
<i>vlan1</i>	Vlan1
ecn_coi	ecn_coi
<i>ecn_coi</i>	ecn_coi
ecn_cio	ecn_cio

<i>ecn_cio</i>	ecn_cio
ttl_coi	ttl_coi
<i>ttl_coi</i>	ttl_coi
ttl_cio	ttl_cio
<i>ttl_cio</i>	ttl_cio
adj_idx	adj_idx
<i>adj_idx</i>	adj_idx
vntag_svif	vntag_svif
<i>vntag_svif</i>	vntag_svif
de	de
<i>de</i>	de
cos	cos
<i>cos</i>	cos
vlan0	vlan0
<i>vlan0</i>	vlan0
adj_vld	adj_vld
<i>adj_vld</i>	adj_vld
uc_routed	uc_routed
<i>uc_routed</i>	uc_routed
loopback	loopback
<i>lpb</i>	loopback
ecn	ecn
<i>ecn</i>	ecn
hg2_vid	High Gig2 VLAN Tag
<i>hg2_vlan</i>	High Gig2 VLAN Tag Information
hg2_cos	High Gig2 CoS Information
<i>hg2_cos</i>	High Gig2 CoS Information
hg2_ppd	High Gig2 Packet Processing Descriptor
<i>hg2_ppd</i>	High Gig2 Packet Processing Descriptor

hg2_tc_sup_copy	High Gig2 Traffic Class SUP Copy
<i>hg2_tcscopy</i>	High Gig2 Traffic Class SUP Copy
hg2_tc	High Gig2 Packet Traffic Class
<i>hg2_tc</i>	High Gig2 Packet Traffic Class
hg2_lbid	High Gig2 Packet Ibid
<i>hg2_lbid</i>	High Gig2 Packet Ibid
hg2_opc	High Gig2 Packet Type
<i>hg2_opc</i>	High Gig2 Packet Type
hg2_dstpid	High Gig2 Destination Port ID
<i>hg2_dpид</i>	High Gig2 Destination Port ID
hg2_dstmod	High Gig2 Destination Module ID
<i>hg2_dmod</i>	High Gig2 Destination Module ID
hg2_srcpid	High Gig2 Source Port ID
<i>hg2_spид</i>	High Gig2 Source Port ID
hg2_srcmod	High Gig2 Souce Module ID
<i>hg2_smod</i>	High Gig2 Souce Module ID
op_inner	Op_inner
<i>op_inner</i>	Op_inner
op_outer	Op_outer
<i>op_outer</i>	Op_outer
op_qtag	Op_qtag
<i>op_qtag</i>	Op_qtag
op_vntag	Op_vntag
<i>op_vntag</i>	Op_vntag
pkt_type	Pkt_type
<i>pkt_type</i>	Pkt_type
drop	Drop
<i>drp</i>	Drop
pkt_tstamp	Packet timestamp

<i>pkt_tstamp</i>	Packet timestamp
tstamp	Timestamp
<i>tstamp</i>	Timestamp
cap_tstamp	Capture Timestamp
<i>cap_tstamp</i>	Capture Timestamp
len_info	Len_info
<i>len_info</i>	Len_info
len_type	Len_type
<i>len_type</i>	Len_type
pktid	Pkt_id
<i>pktid</i>	Pkt_id
srcid	Src_id
<i>srcid</i>	Src_id
pktfmt1	Pktfmt1
<i>pktfmt1</i>	Pktfmt1
pktfmt0	Pktfmt0
<i>pktfmt0</i>	Pktfmt0

Command Mode

- /exec/elamns/outsel0

set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

Command Mode

- /exec/configure/epbr-sess-policy/action

set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

Command Mode

- /exec/configure/epbr-policy/action

set service

```
{ { <seq-num> set service <service-name> [ fail-action <action> ] } | no <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq-num</i>	Sequence number to specify ordering of services in this chain
set	Set service entry in chain
service	EPBR service name
<i>service-name</i>	EPBR service-name
fail-action	(Optional) Action to be taken on failure of this service
<i>action</i>	(Optional) Action on service failure

Command Mode

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

set sideband

```
set sideband { span_vec <span_vec> | bounce <bnc> | mclast <mclast> | mcastcurptr <mccurptr> | mcastcurptr_v
<mccurptr_v> | srcport <sport> | vlan <vlan> | segwgt <segwgt> | segid <segid> | seglocal <seglcl> | gbw_color
<gbw_color> | gbw_tag <gbw_tagg> | fwddrp <fwddrp> | l2fld <l2fld> | nodrp <nodrp> | ovrlyidx <ovrlyidx>
| ecncap <ecncap> | cpu <cpu> | store_fwd <stfwd> | mcast <mcast> | oclass <ocls> | iclass <icls> | odest_v
<odest_v> | odest <odest> | ovec <ovec> | span_trans <span_trans> | lbtype <lbtype> | lbenas <lbenas> | tdmid
<tdmid> | pktid <pktid> | srcid <srcid> | eoferror <eoferr> | eofbytes <eofby> | eof <eof> | sof <sof> } +
```

Syntax Description

set	Setup Trigger
sideband	All sideband fields
span_vec	SPAN vector
<i>span_vec</i>	SPAN vector
bounce	Bounce
<i>bnc</i>	Bounce
mclast	Mclast
<i>mclast</i>	Mclast
mcastcurptr	Mcast cur ptr
<i>mccurptr</i>	Mcast cur ptr
mcastcurptr_v	Mcast cur ptr v
<i>mccurptr_v</i>	Mcast cur ptr v
srcport	Source Port
<i>sport</i>	Source Port
vlan	Vlan
<i>vlan</i>	Vlan
segwgt	Segwgt
<i>segwgt</i>	Segwgt
segid	Segid
<i>segid</i>	Segid
seglocal	Seglocal
<i>seglcl</i>	Seglocal

gbw_color	GBW color
<i>gbw_color</i>	GBW color
gbw_tag	GBW tagged
<i>gbw_tagg</i>	GBW tagged
fwddrp	Forward drop
<i>fwddrp</i>	Forward drop
l2fld	L2 Flood
<i>l2fld</i>	L2 Flood
nodrp	No drop
<i>nodrp</i>	No drop
ovrlyidx	Overlay index
<i>ovrlyidx</i>	Overlay index
ecncap	ECN Capable
<i>ecncap</i>	ECN Capable
cpu	CPU
<i>cpu</i>	CPU
store_fwd	Store_fwd
<i>stfwd</i>	Store_fwd
mcast	Multicast
<i>mcast</i>	Multicast
oclass	Output class
<i>ocls</i>	Output class
iclass	Input class
<i>icls</i>	Input class
odest_v	Odest_v
<i>odest_v</i>	Odest_v
odest	Odest
<i>odest</i>	Odest
ovec	Ovector

<i>ovec</i>	Ovector
<i>span_trans</i>	SPAN transit
<i>span_trans</i>	SPAN transit
<i>lbtype</i>	Lbtype
<i>lbtype</i>	Lbtype
<i>lbena</i>	Lbenable
<i>lbena</i>	Lbenable
<i>tdmid</i>	Tdmid
<i>tdmid</i>	Tdmid
<i>pktid</i>	Pkt_id
<i>pktid</i>	Pkt_id
<i>srcid</i>	Src_id
<i>srcid</i>	Src_id
<i>eoferror</i>	EOF error
<i>eoferr</i>	EOF erro
<i>eofbytes</i>	EOF bytes
<i>eofby</i>	EOF bytes
<i>eof</i>	EOF
<i>eof</i>	EOF
<i>sof</i>	SOF
<i>sof</i>	SOF

Command Mode

- /exec/elamns/outsel5

set srte-policy

```
[no] set srte-policy { color <color-value> endpoint <endpoint-value> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
srte-policy	Set SR-TE Policy details
color	Color of the SR-TE Policy
endpoint	Endpoint of the SR-TE Policy
<i>color-value</i>	Policy Color
<i>endpoint-value</i>	IPv4 endpoint address

Command Mode

- /exec/configure/route-map

set srte-policy name

[no] set srte-policy { name <name-value> }

Syntax Description

no	(Optional) Negate a command or set its defaults
set	Set values in destination routing protocol
srte-policy	Set SR-TE Policy details
name	Name of the SR-TE Policy
<i>name-value</i>	Name of the SR-TE Policy

Command Mode

- /exec/configure/route-map

set tag

```
{ { set tag <value> } | { no set tag [ <value> ] } }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
tag	Tag value for destination routing protocol
<i>value</i>	Tag value

Command Mode

- /exec/configure/route-map

set weight

```
{ set weight <count> | no set weight [ <count> ] }
```

Syntax Description

no	Negate a command or set its defaults
set	Set values in destination routing protocol
weight	BGP weight for routing table
<i>count</i>	Weight value

Command Mode

- /exec/configure/route-map

setup

setup

Syntax Description

setup	Run the basic SETUP command facility
-------	--------------------------------------

Command Mode

- /exec

sflow

```
sflow { [ sampling-rate <rate> ] | [ max-sampled-size <pkt-size> ] | [ counter-poll-interval <interval> ] | [ max-datagram-size <dgram-size> ] | [ collector-ip { <dst-ip> | <dst-ipv6> } vrf { <vrf-name> | <vrf-known-name> } [ source { <src-ip> | <src-ipv6> } ] ] | [ collector-port <dst-port> ] | [ agent-ip { <agent-ip> | <agent-ipv6> } ] }
```

Syntax Description

sflow	change sFlow global settings
sampling-rate	(Optional) sFlow Sampling Rate
<i>rate</i>	(Optional)
max-sampled-size	(Optional) sFlow Sampled Size
<i>pkt-size</i>	(Optional) sFlow Sampled Size
counter-poll-interval	(Optional) sFlow Counter Poll Interval
<i>interval</i>	(Optional) sFlow Counter Poll Interval
max-datagram-size	(Optional) sFlow Datagram Size
<i>dgram-size</i>	(Optional) sFlow Datagram Size
collector-ip	(Optional) sFlow Collector IP address
<i>dst-ip</i>	(Optional) sFlow Collector IPv4 address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source IP address to send to sFlow Collector
<i>src-ip</i>	(Optional) Source IP address to send to sFlow Collector
collector-port	(Optional) sFlow Collector UDP port
<i>dst-port</i>	(Optional) sFlow Collector UDP port
agent-ip	(Optional) sFlow Agent IP address
<i>agent-ip</i>	(Optional) sFlow Agent IP address

Command Mode

- /exec/configure

sflow

```
[no] sflow { sampling-rate | max-sampled-size | counter-poll-interval | max-datagram-size | collector-ip [ { <dst-ip> | <dst-ipv6> } vrf { <vrf-name> | <vrf-known-name> } ] | collector-port | agent-ip }
```

Syntax Description

no	Negate a command or set its defaults
sflow	change sFlow global settings
sampling-rate	sFlow Sampling Rate
max-sampled-size	sFlow Sampled Size
counter-poll-interval	sFlow Counter Poll Interval
max-datagram-size	sFlow Datagram Size
collector-ip	sFlow Collector IP address
<i>dst-ip</i>	(Optional) sFlow Collector IPv4 address
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
collector-port	sFlow Collector UDP port
agent-ip	sFlow Agent IP address

Command Mode

- /exec/configure

sflow data-source interface

sflow data-source interface { <ifnum> | <pcifnum> }

Syntax Description

sflow	change sFlow global settings
data-source	sFlow Data Source
interface	sFlow Data Source Interface
<i>ifnum</i>	sFlow Data Source Interface
<i>pcifnum</i>	sFlow Data Source Interface

Command Mode

- /exec/configure

sflow data-source interface

[no] sflow data-source interface { <ifnum> | <pcifnum> }

Syntax Description

no	Negate a command or set its defaults
sflow	change sFlow global settings
data-source	sFlow Data Source
interface	sFlow Data Source Interface
<i>ifnum</i>	sFlow Data Source Interface
<i>pcifnum</i>	sFlow Data Source Interface

Command Mode

- /exec/configure

sflow extended bgp

[no] sflow extended bgp

Syntax Description

no	(Optional) Negate a command or set its defaults
sflow	change sFlow global settings
extended	sFlow extended flow records
bgp	sFlow extended bgp flow

Command Mode

- /exec/configure

sflow extended switch

[no] sflow extended switch

Syntax Description

no	(Optional) Negate a command or set its defaults
sflow	change sFlow global settings
extended	sFlow extended flow records
switch	sFlow extended switch flow

Command Mode

- /exec/configure

shared-secret

```
[no] shared-secret { 10 <clear> | 7 <encrypted> | <secret> } [ user <user> password { 0 <clear> | 7 <encrypted> | <password> } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
shared-secret	Shared-secret
<i>secret</i>	Enter shared-secret in clear text
10	password in clear text
<i>clear</i>	Password in clear text
7	Password that follows should be in encrypted text
<i>encrypted</i>	Encrypted password
user	(Optional) User Name
<i>user</i>	(Optional) Enter user name
password	(Optional) Password
<i>password</i>	(Optional) Enter password in clear text
0	(Optional) Password that follows should be in clear text
<i>clear</i>	(Optional) Password in clear text
7	(Optional) Password that follows should be in encrypted text
<i>encrypted</i>	(Optional) Encrypted password

Command Mode

- /exec/configure/fabric-db/server-radius

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/outse10

show

show [pending]

Syntax Description

show	Display region configurations
pending	(Optional) Display the new mst configuration to be applied

Command Mode

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

show

```
show { consistency-checker l2 module <modnum> | forwarding consistency l2 <modnum> } [ __readonly__
<status> [ <l2entry> [ TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>
]] [ <l2entry_ext> [ TABLE_mac_address
<disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>
]] ]
```

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Forwarding information
consistency	consistency
l2	Verify l2 mac programming in the hardware
module	Module number
<i>modnum</i>	Module Number
__readonly__	(Optional)
<i>status</i>	(Optional) Result of Consistency Checker
<i>l2entry</i>	(Optional) L2 entry
<i>l2entry_ext</i>	(Optional) L2 entry string
TABLE_mac_address	(Optional) Mac address table

Command Mode

- /exec

show

```
show { { ipv6 eigrp [ <eigrp-ptag> ] { topology | route } [ <ipv6-prefix> | active | summary | pending |
zero-successors | detail-links | all-links ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } | { ip eigrp [
<eigrp-ptag> ] { topology | route } [ { <address> <mask> } | <prefix> | active | summary | pending |
zero-successors | detail-links | all-links ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } [ __readonly__
TABLE_asn <asn> [ <router_id> ] TABLE_vrf [ <vrf> ] [ <head_serial> <next_serial> <route_count>
<replies_pending> <dummies> <eigrp_name> <num_if> <num_neighbors> <num_active_if> [ {
TABLE_quiescent_if <ifname> } ] ] [ { TABLE_ent { <ip_prefix> | <ipv6_prefix> } <active>
<num_successors> <feasible_distance> [ <tag> ] [ <send_flag> ] [ <xmit_serno> <xmit_refcount>
<xmit_anchored> ] <outstd_replies> [ <active_time> ] <query_origin> [ <retry_count> ] [ <act_min_time>
<act_max_time> <act_avg_time> <act_count> ] [ <peers_sia_stuck> ] [ { TABLE_succ { <s_nexthop> |
<s_v6nexthop> } <s_ifname> { <s_origin> | <s_v6origin> } [ <s_send_flag_hex> ] [ { TABLE_urib <state>
<best> <up_to_date> <pending_updates> <wait_for_notify> <reply_pending> } ] [ <s_metric> ] [
<s_succ_metric> ] [ <s_external> ] <s_reply_status> [ <s_bandwidth> <s_delay> <s_reliability> <s_load>
<s_min_mtu> <s_hop_count> <s_int_tag> ] [ <s_sia_status> ] [ <s_ext_routerid> <s_ext_asn> <s_ext_proto>
<s_ext_metric> <s_ext_admin_tag> ] [ <s_exterior_flag> ] [ <s_send_flag> ] [ <s_xmit_serno> ] [
<s_xmit_anchored> ] } ] [ { TABLE_reply_status { <rs_ipaddr> | <rs_ipv6addr> } <rs_ifname> } ] [ {
TABLE_sia_status { <ss_ipaddr> | <ss_ipv6addr> } <ss_ifname> } ] ] ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
topology	IP-EIGRP Topology Table
route	IP-EIGRP internal routes
<i>address</i>	(Optional) Network to display information about
<i>mask</i>	(Optional) Network mask
<i>prefix</i>	(Optional) IP prefix <network>/<length>, e.g., 192.168.0.0/16
active	(Optional) Show only active entries
summary	(Optional) Show a summary of the topology table

<i>pending</i>	(Optional) Show only entries pending transmission
<i>zero-successors</i>	(Optional) Show only zero successor entries
<i>detail-links</i>	(Optional) Show all links in topology table with details
<i>all-links</i>	(Optional) Show all links in topology table
<i>__readonly__</i>	(Optional)
<i>TABLE_asn</i>	(Optional) AS number table
<i>asn</i>	(Optional) AS number
<i>router_id</i>	(Optional) Router-ID
<i>TABLE_vrf</i>	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
<i>head_serial</i>	(Optional) Head of transmit DNDB thread
<i>next_serial</i>	(Optional) Next serial number to use
<i>route_count</i>	(Optional) Number of Routes in the topology table
<i>replies_pending</i>	(Optional) Number of replies pending
<i>dummies</i>	(Optional) Dummies
<i>eigrp_name</i>	(Optional) EIGRP ddb name
<i>num_if</i>	(Optional) Number of interfaces in this AS
<i>num_neighbors</i>	(Optional) Number of EIGRP neighbors in this AS
<i>num_active_if</i>	(Optional) Number of active interfaces
<i>TABLE_quiescent_if</i>	(Optional) Quiescent Interfaces table
<i>ifname</i>	(Optional) Interface name
<i>TABLE_ent</i>	(Optional) Table entry
<i>ip_prefix</i>	(Optional) IP prefix
<i>ipv6_prefix</i>	(Optional) IPv6 prefix
<i>active</i>	(Optional) Route Active?
<i>num_successors</i>	(Optional) Number of successors for the dndb
<i>feasible_distance</i>	(Optional) Feasible Distance
<i>tag</i>	(Optional) Administrator tag value
<i>send_flag</i>	(Optional) Send Flag

<i>xmit_serno</i>	(Optional) Xmit serial number
<i>xmit_refcount</i>	(Optional) xmit ref count (Number of active senders)
<i>xmit_anchored</i>	(Optional) Xmit anchored?
<i>outstd_replies</i>	(Optional) Number of Outstanding replies
<i>active_time</i>	(Optional) Active route timestamp
<i>query_origin</i>	(Optional) Query origin
<i>retry_count</i>	(Optional) Number of retries done on the active DNDB
<i>act_min_time</i>	(Optional) Shortest time the destination was active
<i>act_max_time</i>	(Optional) Longest time the destination was active
<i>act_avg_time</i>	(Optional) Average time the destination was active
<i>act_count</i>	(Optional) Active count
<i>peers_sia_stuck</i>	(Optional) Number of peers stuck in SIA
TABLE_succ	(Optional) Successor table
<i>s_nexthop</i>	(Optional) Next hop IPv4 address
<i>s_v6nexthop</i>	(Optional) IPv6 next hop address
<i>s_ifname</i>	(Optional) Interface this route info came in on
<i>s_origin</i>	(Optional) Origin(IPv4) of this DRDB
<i>s_v6origin</i>	(Optional) Origin(IPv6) of this DRDB
<i>s_send_flag_hex</i>	(Optional) DRDB Send flag in hex
TABLE_urib	(Optional) DRDB URIB info table
<i>state</i>	(Optional) DRDB URIB state
<i>best</i>	(Optional) DRDB URIB best
<i>up_to_date</i>	(Optional) DRDB URIB uptodate
<i>pending_updates</i>	(Optional) Pending updates
<i>wait_for_notify</i>	(Optional) Waiting for notify?
<i>reply_pending</i>	(Optional) Pending replies
<i>s_metric</i>	(Optional) Composite metric value for the route
<i>s_succ_metric</i>	(Optional) Composite metric (successor's view) for the route
<i>s_external</i>	(Optional) Route is external?

<i>s_reply_status</i>	(Optional) Reply status flag
<i>s_bandwidth</i>	(Optional) Minimum bandwidth of the path
<i>s_delay</i>	(Optional) Total delay of the path
<i>s_reliability</i>	(Optional) Reliability
<i>s_load</i>	(Optional) Load
<i>s_min_mtu</i>	(Optional) Minimum mtu of the path
<i>s_hop_count</i>	(Optional) Number of hops to reach the destination network
<i>s_int_tag</i>	(Optional) Internal tag
<i>s_sia_status</i>	(Optional) SIA status flag
<i>s_ext_routerid</i>	(Optional) Originating Router-ID
<i>s_ext_asn</i>	(Optional) AS number where the route info originated
<i>s_ext_proto</i>	(Optional) Protocol which originated this route
<i>s_ext_metric</i>	(Optional) External protocol metric
<i>s_ext_admin_tag</i>	(Optional) External admin flag
<i>s_exterior_flag</i>	(Optional) Exterior flag
<i>s_send_flag</i>	(Optional) DRDB send flag
<i>s_xmit_sereno</i>	(Optional) Xmit Serial number of this entry
<i>s_xmit_anchored</i>	(Optional) Xmit anchored flag
TABLE_reply_status	(Optional) Reply-status table
<i>rs_ipaddr</i>	(Optional) IP addr of peer from which replies are pending
<i>rs_ifname</i>	(Optional) Interface on which replies are pending
TABLE_sia_status	(Optional) SIA-status table
<i>ss_ipaddr</i>	(Optional) IP addr of peer from which SIA replies are pending
<i>ss_ifname</i>	(Optional) Interface on which SIA replies are pending
<i>eigrp-ptag</i>	(Optional)

Command Mode

- /exec

show

```
show { { ip eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] | { [ <address> ] [ vrf { <vrf-name>
| <vrf-known-name> | all } ] } } } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors [ detail | state ] { [ <interface> ] |
{ [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } } } [ __readonly__ TABLE_asn <asn>
TABLE_vrf <vrf> [ { TABLE_peer <peer_handle> { <peer_ipaddr> | <peer_ipv6addr> } <peer_ifname>
<peer_holdtime> <peer_srtt> <peer_rto> <peer_xmitq_count> <peer_last_seqno> <peer_uptime> [
<peer_static> <peer_nsf_restart_time> <peer_last_startup_serno> <peer_ios_major_ver> <peer_ios_minor_ver>
<peer_eigrp_major_rev> <peer_eigrp_minor_rev> <peer_retrans_count> <peer_retry_count>
<peer_bfd_enabled> [ <peer_bfd_sess_established> ] <peer_wait_for_init> <peer_wait_for_init_ack>
<peer_reinit_start_time> <peer_prefix_count> <peer_info_stubbed> [ <peer_info_allow_connected>
<peer_info_allow_statics> <peer_info_allow_summaries> <peer_info_allow_redist>
<peer_info_allow_leaking> ] <peer_info_receive_only> <peer_suppress_queries> ] [ TABLE_xmitq_pkts
<pkt_qtype> <pkt_counter> <pkt_opcode> <pkt_ack_seqno> <pkt_start_seqno> <pkt_end_seqno> <pkt_len>
<pkt_time_sent> <pkt_init_flag> <pkt_sequenced> ] [ <peer_state_cr_mode> <peer_state_need_init>
<peer_state_need_init_ack> <peer_state_going_down> <peer_state_coming_up> <peer_state_peer_deleted>
<peer_state_nsf_in_progress> <peer_state_need_eot> <peer_state_use_nsf_startup_mode>
<peer_state_await_nsf_convergence> <peer_state_initiated_gr> <peer_state_cr_sequence>
<peer_state_rcv_probe_sequence> <peer_state_send_probe_sequence> ] } ] [ { TABLE_suspended_peer {
<susp_peer_ipaddr> | <susp_peer_ipv6addr> } <susp_peer_ifname> [ <susp_peer_restart_reqd>
<susp_peer_restart_time> ] } ] }
```

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
<i>eigrp-ptag</i>	(Optional) Process tag
neighbors	IP-EIGRP neighbors
detail	(Optional) Show detailed peer information
state	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>interface</i>	(Optional) Interface
<i>address</i>	(Optional) IP-EIGRP neighbor address
__readonly__	(Optional)

TABLE_asn	(Optional) AS number table
<i>asn</i>	(Optional) AS number
TABLE_vrf	(Optional) VRF table
<i>vrf</i>	(Optional) VRF name
TABLE_peer	(Optional) Peer table
<i>peer_handle</i>	(Optional) Peer handle
<i>peer_ipaddr</i>	(Optional) Peer's IP addr
<i>peer_ifname</i>	(Optional) Peering Interface name
<i>peer_holdtime</i>	(Optional) Hold-time for the peer
<i>peer_uptime</i>	(Optional) Peer Up-time
<i>peer_srtd</i>	(Optional) SRTT
<i>peer_rto</i>	(Optional) RTO
<i>peer_xmitq_count</i>	(Optional) Xmit Q count
<i>peer_last_seqno</i>	(Optional) Last received Sequence number
<i>peer_static</i>	(Optional) Static peer?
<i>peer_nsf_restart_time</i>	(Optional) Timestamp of last nsf restart
<i>peer_last_startup_serno</i>	(Optional) Target serial number for unicast startup
<i>peer_ios_major_ver</i>	(Optional) IOS major version
<i>peer_ios_minor_ver</i>	(Optional) IOS minor version
<i>peer_eigrp_major_rev</i>	(Optional) EIGRP major revision
<i>peer_eigrp_minor_rev</i>	(Optional) EIGRP minor revision
<i>peer_retrans_count</i>	(Optional) Number of retransmissions to this peer
<i>peer_retry_count</i>	(Optional) Retries for packets on xmit Q
<i>peer_bfd_enabled</i>	(Optional) Peer BFD enabled?
<i>peer_bfd_sess_established</i>	(Optional) Peer BFD session established?
<i>peer_wait_for_init</i>	(Optional) Waiting for INIT
<i>peer_wait_for_init_ack</i>	(Optional) Waiting for INIT-ACK
<i>peer_reinit_start_time</i>	(Optional) Re-Init start time
<i>peer_prefix_count</i>	(Optional) Number of Prefixes received from the peer

<i>peer_info_stubbed</i>	(Optional) Peer is a Stub?
<i>peer_info_allow_connected</i>	(Optional) Peer advertises connected routes?
<i>peer_info_allow_statics</i>	(Optional) Peer advertises static routes?
<i>peer_info_allow_summaries</i>	(Optional) Peer advertises summary routes?
<i>peer_info_allow_redist</i>	(Optional) Peer advertises redistributed routes?
<i>peer_info_allow_leaking</i>	(Optional) Peer advertises routes permitted by leak-map?
<i>peer_info_receive_only</i>	(Optional) Peer is receive-only?
<i>peer_suppress_queries</i>	(Optional) Suppress queries to this peer?
TABLE_xmitq_pkts	(Optional) Xmit Q packets table
<i>pkt_qtype</i>	(Optional) XMIT Qtype
<i>pkt_counter</i>	(Optional) Packet counter for the packets present in the transmit queue
<i>pkt_opcode</i>	(Optional) Packet opcode
<i>pkt_ack_seqno</i>	(Optional) Ack/Sequence number of this packet
<i>pkt_start_seqno</i>	(Optional) Starting serial number
<i>pkt_end_seqno</i>	(Optional) Ending serial number
<i>pkt_len</i>	(Optional) Packet length
<i>pkt_time_sent</i>	(Optional) Time at which the packet is transmitted
<i>pkt_init_flag</i>	(Optional) Init-flag should be sent in the packet?
<i>pkt_sequenced</i>	(Optional) Packet is sequenced?
<i>peer_state_cr_mode</i>	(Optional) Conditional Received mode set?
<i>peer_state_need_init</i>	(Optional) Waiting for Init from peer?
<i>peer_state_need_init_ack</i>	(Optional) Waiting for InitAck from peer?
<i>peer_state_going_down</i>	(Optional) Peer-Going-down?
<i>peer_state_coming_up</i>	(Optional) Peer-Coming-up?
<i>peer_state_peer_deleted</i>	(Optional) Peer-Deleted?
<i>peer_state_nsf_in_progress</i>	(Optional) Peer is nsf restarting?
<i>peer_state_need_eot</i>	(Optional) Expect end-of-table from this peer?
<i>peer_state_use_nsf_startup_mode</i>	(Optional) Use nsf startup method?
<i>peer_state_await_nsf_convergence</i>	(Optional) The peer is waiting eot from us?

<i>peer_state_initiated_gr</i>	(Optional) Initiated graceful restart?
<i>peer_state_cr_sequence</i>	(Optional) Expected sequence number of CR packet
<i>peer_state_rcv_probe_sequence</i>	(Optional) Sequence number of last probe packet received
<i>peer_state_send_probe_sequence</i>	(Optional) Sequence number of next probe to send
TABLE_suspended_peer	(Optional) Suspended peer table
<i>susp_peer_ipaddr</i>	(Optional) IP address of suspended peer
<i>susp_peer_ifname</i>	(Optional) Interface through which we are connected to the suspended peer
<i>susp_peer_restart_reqd</i>	(Optional) Suspended peer restart required?
<i>susp_peer_restart_time</i>	(Optional) Suspended peer restart time
<i>eigrp-ptag</i>	(Optional)

Command Mode

- /exec

show

```
show { access-lists [ <acl-ip-ipv6-mac-name> ] | ip access-lists [ <acl-ip-name> ] | mac access-lists [
<acl-mac-name> ] | ipv6 access-lists [ <acl-ipv6-name> ] } [ capture session <capture_session> ] [ <expanded>
| <summary> | <private> | <brief> ] [ __readonly__ TABLE_ip_ipv6_mac <op_ip_ipv6_mac>
<show_summary> <acl_name> [ <statistics> ] [ <frag_opt_permit_deny> ] [ <global_capture_session> ] [
<ipv6_extn_hdr> ] [ <ignore_routable> ] [ TABLE_seqno <seqno> { <permitdeny> [ <proto_str> | <proto>
| <ip> | <ipv6> | <ethertype> <ethertypeid> ] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask>
| <src_ipv6_prefix> | <src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [
<src_port_op> [ <src_port1_str> ] { <src_port1_num> } [ [ <src_port2_str> ] { <src_port2_num> } ] ]
<src_portgrp> ] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> |
<dest_ipv6_addr> <dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [ <dest_port_op>
[ <dest_port1_str> ] { <dest_port1_num> } [ [ <dest_port2_str> ] { <dest_port2_num> } ] ] <dest_portgrp>
] [ { <icmp_type> [ <icmp_code> ] | <icmp_str> } | { <icmpv6_type> [ <icmpv6_code> ] | <icmpv6_str> }
] [ <igmp_type> | <igmp_type_str> ] [ [ <precedence> | <precedence_str> ] [ <tos> | <tos_str> ] ] [ <dscp> [
<dscp_mask> ] | <dscp_str> ] ] [ <ttl> ] ] [ <log> ] [ [ <wideflow> ] [ <wfmac_src_any> | <wfmac_src>
<wfmac_src_wild> ] [ <wfmac_dst_any> | <wfmac_dest> <wfmac_dest_wild> ] [ <wf_vlan> ] ] [
<wf_set_vlan_actionid> | <strip-vlan> ] [ <telemetry_queue> ] [ <telemetry_path> ] [ <udfs> ] [ <all> ] [ [
<route-tag> ] <route_tag_type> ] [ <capture_session> ] [ <fragments> ] [ <plen_op> <plen1> [ <plen2> ] ]
[ <urg> ] [ <ack> ] [ <push> ] [ <rst> ] [ <syn> ] [ <fin> ] [ <established> ] [ <http-method> | <http_opt_str>
] [ <tcp-option-length> ] [ <tcp-flags-mask> ] [ <flow_label> ] [ <timerange> ] [ <eth_proto> | <eth_proto_str>
] [ <vlan> ] [ <cos> ] [ <match_count> ] [ <load-share> ] [ <action> <actionid> ] [ TABLE_match <module>
<module_match_count> ] ] [ <nve_vni> ] | <remark> [ <load-share> ] [ <action> <actionid> ] } ] [ vlan
<vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ [ <stats_enabled> ] [
<frag_option> ] [ <ign_rtable> ] { <num_ace> } { <conf_if_header> } [ <conf_if> ] { <active_if_header> }
[ <active_if> ] ] ] ]
```

Syntax Description

show	Show running system information
<i>acl-mac-name</i>	(Optional) List name
<i>acl-ip-name</i>	(Optional) List name
<i>acl-ipv6-name</i>	(Optional) List name
<i>acl-ip-ipv6-mac-name</i>	(Optional) List name
ip	Display IP information
ipv6	Display IPv6 information
mac	MAC configuration commands
capture	(Optional) capture
session	(Optional) session
<i>capture_session</i>	(Optional) session id
<i>op_ip_ipv6_mac</i>	(Optional) IP/IPv6/MAC

access-lists	List access lists
<i>show_summary</i>	(Optional)
<i>acl_name</i>	(Optional) List name
<i>__readonly__</i>	(Optional)
TABLE_ip_ipv6_mac	(Optional)
<i>frag_opt_permit_deny</i>	(Optional) frag_op_type
vlan	(Optional) Configure match based on vlan
ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
<i>vlanid</i>	(Optional) VLAN number
<i>intfid</i>	(Optional) Interface index
<i>intfname</i>	(Optional) Interface name
<i>vlanpriorityid</i>	(Optional) Vlan Priority
<i>seqno</i>	(Optional) Sequence number
<i>permitdeny</i>	(Optional) Permit/deny
<i>proto</i>	(Optional) A protocol number
TABLE_seqno	(Optional)
<i>proto_str</i>	(Optional) Protocol name
<i>ip</i>	(Optional) IP
<i>ipv6</i>	(Optional) IPV6
<i>src_any</i>	(Optional) SRCAny
<i>dest_any</i>	(Optional) DESTAny
<i>src_ip_prefix</i>	(Optional) Source IP prefix
<i>src_ip_addr</i>	(Optional) Source IP address
<i>src_ip_mask</i>	(Optional) Source IP mask
<i>ethertype</i>	(Optional) Ethertype
<i>ethertypeid</i>	(Optional) Ethertype id
<i>mac_src</i>	(Optional) Source MAC address
<i>mac_src_wild</i>	(Optional) Source MAC mask

<i>dest_ip_prefix</i>	(Optional) Destination IP prefix
<i>dest_ip_addr</i>	(Optional) Destination IP address
<i>dest_ip_mask</i>	(Optional) Destination IP mask
<i>mac_dest</i>	(Optional) Destination MAC address
<i>mac_dest_wild</i>	(Optional) Destination MAC mask
<i>src_port_op</i>	(Optional) Source Port operator
<i>dest_port_op</i>	(Optional) Destination Port operator
<i>src_port1_str</i>	(Optional) Source port name
<i>src_port1_num</i>	(Optional) Source port number
<i>src_port2_str</i>	(Optional) Source port name
<i>src_port2_num</i>	(Optional) Source port number
<i>dest_port1_str</i>	(Optional) Destination port name
<i>dest_port1_num</i>	(Optional) Destination port number
<i>dest_port2_str</i>	(Optional) Destination port name
<i>dest_port2_num</i>	(Optional) Destination port number
<i>icmp_type</i>	(Optional) ICMP type
<i>icmp_code</i>	(Optional) ICMP code
<i>icmp_str</i>	(Optional) ICMP message
<i>icmpv6_type</i>	(Optional) ICMP type
<i>icmpv6_code</i>	(Optional) ICMP code
<i>icmpv6_str</i>	(Optional) ICMP message
<i>igmp_type</i>	(Optional) IGMP type
<i>igmp_type_str</i>	(Optional) IGMP type String
<i>precedence</i>	(Optional) precedence
<i>precedence_str</i>	(Optional) precedence string
<i>tos</i>	(Optional) tos
<i>tos_str</i>	(Optional) tos string
<i>dscp</i>	(Optional) dscp
<i>dscp_mask</i>	(Optional) dscp mask

<i>dscp_str</i>	(Optional) dscp string
<i>udfs</i>	(Optional) udfs string
<i>ttl</i>	(Optional) ttl
<i>capture_session</i>	(Optional) capture session
<i>global_capture_session</i>	(Optional) capture session
<i>log</i>	(Optional) Log
<i>widelflow</i>	(Optional) Wideflow
<i>wfmac_src_any</i>	(Optional) SRCAny
<i>wfmac_dst_any</i>	(Optional) DESTAny
<i>wfmac_src</i>	(Optional) Source MAC address
<i>wfmac_src_wild</i>	(Optional) Source MAC mask
<i>wfmac_dest</i>	(Optional) Destination MAC address
<i>wfmac_dest_wild</i>	(Optional) Destination MAC mask
<i>wf_vlan</i>	(Optional) VLAN number
<i>telemetry_queue</i>	(Optional) telemetry_queue
<i>telemetry_path</i>	(Optional) telemetry_path
<i>load-share</i>	(Optional) load share
<i>all</i>	(Optional) Filter all traffic (data + control) that matches this rule
<i>route-tag</i>	(Optional) Match on route-tag for this rule
<i>wf_set_vlan_actionid</i>	(Optional) VLAN number
<i>strip-vlan</i>	(Optional) strip-vlan
<i>fragments</i>	(Optional) Fragments
<i>urg</i>	(Optional) URG
<i>ack</i>	(Optional) ACK
<i>psh</i>	(Optional) PSH
<i>rst</i>	(Optional) RST
<i>syn</i>	(Optional) SYN
<i>fin</i>	(Optional) FIN
<i>established</i>	(Optional) ESTABLISHED

<i>http-method</i>	(Optional) http-method
<i>http_opt_str</i>	(Optional) http_option string
<i>tcp-option-length</i>	(Optional) TCP Option size
<i>tcp-flags-mask</i>	(Optional) TCP Flags mask
<i>flow_label</i>	(Optional) IPv6 flow label
<i>timerange</i>	(Optional) Time-range
<i>eth_proto</i>	(Optional) MAC protocol number
<i>eth_proto_str</i>	(Optional) MAC protocol name
<i>vlan</i>	(Optional) VLAN number
<i>cos</i>	(Optional) CoS value
<i>match_count</i>	(Optional) Number of packets matching the ACL
TABLE_match	(Optional)
<i>module</i>	(Optional) Module name
<i>module_match_count</i>	(Optional) Number of packets matching the ACL per module
<i>nve_vni</i>	(Optional) nve vni
<i>remark</i>	(Optional) Remark String
<i>statistics</i>	(Optional) STATISTICS
<i>src_addrgrp</i>	(Optional) Source address group
<i>dest_addrgrp</i>	(Optional) Destination address group
<i>src_portgrp</i>	(Optional) Source port group
<i>dest_portgrp</i>	(Optional) Destination port group
<i>plen_op</i>	(Optional) Source Port operator
<i>plen1</i>	(Optional) Packet length minimum
<i>plen2</i>	(Optional) packet length maximum
<i>action</i>	(Optional) Action
<i>actionid</i>	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-prot: <1-65535> redirect_all: Ethernet1/1,port-channel1
<i>route_tag_type</i>	(Optional) Route-tag value
<i>ipv6_extn_hdr</i>	(Optional) extn_hdr_op_type

<i>ignore_routable</i>	(Optional) ignore_routable_type
<i>stats_enabled</i>	(Optional)
<i>frag_option</i>	(Optional)
<i>ign_rtable</i>	(Optional)
<i>num_ace</i>	(Optional) Total number of ACEs
<i>conf_if_header</i>	(Optional)
<i>conf_if</i>	(Optional) Configured Interfaces
<i>active_if_header</i>	(Optional)
<i>active_if</i>	(Optional) Active interfaces
<i>expanded</i>	(Optional) EXPANDED
<i>summary</i>	(Optional) SUMMARY
<i>private</i>	(Optional) PRIVATE
<i>brief</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/se13

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/sel4

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/se15

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elanms/sel6

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/se17

show

show

Syntax Description

show	Show trigger config
------	---------------------

Command Mode

- /exec/elamns/outsel5

shut

[no] shut

Syntax Description

no	(Optional) Negate a command or set its defaults
shut	Shut a monitor session

Command Mode

- /exec/configure/monitor-common

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-veth

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this instance of RIP

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown the GNSS receiver

Command Mode

- /exec/configure/gnss-if

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown tunnel interface(s)

Command Mode

- /exec/configure/if-any-tunnel

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable or disable a VR

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this IS-IS process

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown the OSPF protocol instance

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate the command
shutdown	Enable Transient Capture Buffer

Command Mode

- /exec/configure/pkt-drop

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this instance of EIGRP

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Change the admin status of the bundle

Command Mode

- /exec/configure/anycast

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/epbr/svc /exec/configure/epbr/fwd-svc /exec/configure/epbr-sess/svc /exec/configure/epbr-sess/fwd-svc

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-vlan-common

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown Segment Routing

Command Mode

- /exec/configure/config-sr-mpls

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown VLAN switching

Command Mode

- /exec/configure/vlan

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-mgmt-ether

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-eth-port-channel /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-ether-sub-p2p /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-port-channel-range /exec/configure/if-eth-port-channel-switch

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-eth-port-channel /exec/configure/if-ethernet-all /exec/configure/if-ethernet-p2p /exec/configure/if-ether-sub-p2p /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-eth-port-channel-switch

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-veth

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-nve

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-loopback

shutdown

[no] shutdown [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	(Optional) Enable/disable an interface

Command Mode

- /exec/configure/if-cpp /exec/configure/if-fv /exec/configure/if-fa /exec/configure/if-svc
/exec/configure/if-fc-tunnel /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-overlay
/exec/configure/if-te

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-gig-ether /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vsana /exec/configure/if-iscsi /exec/configure/if-fcip /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-san-port-channel

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface

Command Mode

- /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the OSPF protocol instance

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Disable MPLS forwarding for IP

Command Mode

- /exec/configure/ldp

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/itd-dg-node /exec/configure/itd-dg-node-standby

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	

Command Mode

- /exec/configure/itd /exec/configure/itd-inout

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shut down VRRPv3

Command Mode

- /exec/configure/vrrpv3

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shut down the group

Command Mode

- /exec/configure/if-eth-any/vrrpv3

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shut down the pathway

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown current VRF

Command Mode

- /exec/configure/vrf

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown BGP protocol

Command Mode

- /exec/configure/router-bgp

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown this RPKI Cache

Command Mode

- /exec/configure/router-bgp/router-bgp-rpki-cache

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Administratively shutdown this BMP server

Command Mode

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

shutdown

[no | default] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
shutdown	Administratively shutdown this neighbor

Command Mode

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

shutdown

shutdown | no shutdown

Syntax Description

no	Negate a command or set its defaults
shutdown	suspend vPC locally

Command Mode

- /exec/configure/vpc-domain

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the policies using this color template

Command Mode

- /exec/configure/sr/te/color

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown color specific MPLS liveness detection related configurations

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the preference of the policy

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown this policy

Command Mode

- /exec/configure/sr/te/pol

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	shutdown policy specific MPLS liveness detection related configurations

Command Mode

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

shutdown

[no] shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Shutdown the preference of the policy

Command Mode

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

shutdown force

[no] shutdown force

Syntax Description

no	(Optional) Negate a command or set its defaults
shutdown	Enable/disable an interface
force	Enable/disable an interface

Command Mode

- /exec/configure/if-mgmt-ether

shutdown lan

shutdown lan

Syntax Description

shutdown	Enable/disable an interface
lan	Shut all LAN VLANs on interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

shutdown lan

[no] shutdown lan

Syntax Description

no	Negate a command or set its defaults
shutdown	Enable/disable an interface
lan	Shut all LAN VLANs on interface

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

signing level

{ [no] signing level { none | cisco | unsigned } | no signing level }

Syntax Description

no	(Optional) Negate a command or set its defaults
signing	Virtual service package signing settings
level	Package signing level allowed for virtual service installation
none	Most restrictive, don't allow package installation
cisco	Allow only Cisco signed packages
unsigned	Least restrictive, allow unsigned and all signing methods

Command Mode

- /exec/configure/virt-serv-global

site-id

{ site-id <s0> | no site-id }

Syntax Description

no	Negate a command or set its defaults
site-id	site id of the network where switch is deployed
s0	Provide site id

Command Mode

- /exec/configure/callhome

site-of-origin

```
{ site-of-origin { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } } | { no site-of-origin [ { <ext-comm-soo-aa2nn4> | <ext-comm-soo-aa4nn2> } ] }
```

Syntax Description

no	Negate a command or set its defaults
site-of-origin	Site of Origin
<i>ext-comm-soo-aa2nn4</i>	Extcommunity number
<i>ext-comm-soo-aa4nn2</i>	Extcommunity number

Command Mode

- /exec/configure/if-igp /exec/configure/if-mgmt-ether

sleep

sleep <*i0*>

Syntax Description

sleep	Sleep for the specified number of seconds
<i>i0</i>	Enter the number of seconds to sleep

Command Mode

- /exec

sleep instance

[no] sleep instance <inst> [<i0>] | sleep instance <inst> <i0>

Syntax Description

no	Negate a command or set its defaults
sleep	Sleep for the specified number of seconds
instance	Label with an instance number
<i>inst</i>	Instance number
<i>i0</i>	(Optional) Enter the number of seconds to sleep

Command Mode

- /exec/configure

slot

```
slot <module> { quoted <quoted-cmd> | <cmd> }
```

Syntax Description

slot	run commands on specific linecard (or set slot for commands that take optional slot number)
<i>module</i>	the slot number (aka module number)
quoted	enter the command with quotes -> pipe redirection and semi-colon are local
<i>quoted-cmd</i>	the command(s) to run on lc separated by <space> <semi-colon> <space>
<i>cmd</i>	the command(s) to run on lc separated by <space> <semi-colon> <space>

Command Mode

- /exec

slot

slot <module>

Syntax Description

slot	Configure a slot
<i>module</i>	the slot number (aka module number)

Command Mode

- /exec/configure

smtp-host smtp-port reply-to from

```
{ smtp-host { <ipv4> | <ipv6> | <host> } [ smtp-port <port> ] | smtp-port <port> | reply-to <reply> | from <from> |
```

Syntax Description

<i>}</i>	
smtp-host	SMTP server host
<i>ipv4</i>	IPV4 address
<i>host</i>	DNS name
smtp-port	(Optional) SMTP server port
<i>port</i>	(Optional) Port for SMTP server
reply-to	Reply to email address
<i>reply</i>	Provide reply-to email address
from	From email address
<i>from</i>	Provide from email address

Command Mode

- /exec/configure/email

snapshot create

snapshot create <snapshot-name> <snapshot-description>

Syntax Description

snapshot	Create/Delete a snapshot
create	Create a snapshot of running state of selected features
<i>snapshot-name</i>	Name of a snapshot
<i>snapshot-description</i>	Description of a snapshot

Command Mode

- /exec

snapshot delete

snapshot delete <snapshot-name>

Syntax Description

snapshot	Create/Delete a snapshot
delete	Delete a single snapshot or all snapshots
<i>snapshot-name</i>	Name of a snapshot

Command Mode

- /exec

snapshot delete ALL

snapshot delete ALL

Syntax Description

snapshot	Create/Delete a snapshot
delete	Delete a single snapshot or all snapshots
ALL	Delete all snapshots present on the switch

Command Mode

- /exec

snapshot section add

snapshot section add <name> <command> <row-id> <key1> [<key2>]

Syntax Description

snapshot	Create/Delete a snapshot
section	Add/Delete a snapshot section
add	Add a snapshot section
<i>name</i>	Name of a section
<i>command</i>	show' command to generate XML output
<i>row-id</i>	tag of each row entry of the 'show' XML output
<i>key1</i>	first key to distinguish among row entries with
<i>key2</i>	(Optional) second key to distinguish among row entries with

Command Mode

- /exec

snapshot section delete

snapshot section delete <name>

Syntax Description

snapshot	Create/Delete a snapshot
section	Add/Delete a snapshot section
delete	Delete a snapshot section
<i>name</i>	Name of a section

Command Mode

- /exec

snmp-server aaa-user cache-timeout

[no] snmp-server aaa-user cache-timeout <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
aaa-user	set duration for which aaa-cached snmp user exists
cache-timeout	timeout for AAA cache
<i>timeout</i>	timeout for which aaa-cached user exists(in secs)

Command Mode

- /exec/configure

snmp-server community

```
{ no snmp-server community <community_name> { use-ipv4acl [ <ipv4_acl_name> ] use-ipv6acl [
<ipv6_acl_name> ] | use-ipv4acl [ <ipv4_acl_name> ] | use-ipv6acl [ <ipv6_acl_name> ] } | snmp-server
community <community_name> { use-ipv4acl <ipv4_acl_name> use-ipv6acl <ipv6_acl_name> | use-ipv4acl
<ipv4_acl_name> | use-ipv6acl <ipv6_acl_name> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
community	set community string and access privs
<i>community_name</i>	SNMP community string
use-ipv4acl	Specify IPv4 ACL, the ACL name specified after must be IPv4 ACL.
<i>ipv4_acl_name</i>	(Optional) IPv4 ACL name to filter snmp requests
use-ipv6acl	Specify IPv6 ACL, the ACL name specified after must be IPv6 ACL.
<i>ipv6_acl_name</i>	(Optional) IPv6 ACL name to filter snmp requests

Command Mode

- /exec/configure

snmp-server community

[no] snmp-server community <s0> [{ group <s1> | ro | rw }]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
community	set community string and access privs
<i>s0</i>	SNMP community string
group	(Optional) Group to which the community belongs
<i>s1</i>	(Optional) Group to which the community belongs
ro	(Optional) Read-only access with this community string
rw	(Optional) Read-write access with this community string

Command Mode

- /exec/configure

snmp-server contact

snmp-server contact <line> | no snmp-server contact [<line>]

Syntax Description

no	negate a command or set its defaults
snmp-server	Configure snmp server
contact	modify sysContact
<i>line</i>	modify sysContact

Command Mode

- /exec/configure

snmp-server context

```
[no] snmp-server context <context_name> [ instance <instance-name> ] [ vrf { <vrf-name> | <vrf-known-name>
} ] [ topology <topology-name> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
context	SNMP context to be mapped
<i>context_name</i>	name of the SNMP context
instance	(Optional) Protocol instance associated with the SNMP context
<i>instance-name</i>	(Optional) Name of the protocol instance
vrf	(Optional) VRF associated with the SNMP context
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
topology	(Optional) Topology associated with the SNMP context
<i>topology-name</i>	(Optional) name of the Topology

Command Mode

- /exec/configure

snmp-server counter cache enable

[no] snmp-server counter cache enable

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
counter	Configure port counter configuration
cache	port stats cache
enable	enable port stats cache

Command Mode

- /exec/configure

snmp-server counter cache timeout

[no] snmp-server counter cache timeout <timeout>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
counter	Configure port counter configuration
cache	Port stats cache
timeout	Timeout for port stats cache
<i>timeout</i>	Timeout for which cached port stats exists(in secs)

Command Mode

- /exec/configure

snmp-server drop unknown

[no] snmp-server drop { unknown-user | unknown-engine-id }

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
drop	Silently drop unknown v3 user packets
unknown-user	unknown v3 user
unknown-engine-id	unknown v3 engine id

Command Mode

- /exec/configure

snmp-server enable traps

[no] snmp-server enable traps [<trap_arg> [<trap_sub_category> +]]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
<i>trap_arg</i>	(Optional) Enable __left__ traps
<i>trap_sub_category</i>	(Optional) Enter the trap

Command Mode

- /exec/configure

snmp-server enable traps bgp

[no] snmp-server enable traps bgp [{ state-changes [<subsystem> +] }]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
state-changes	(Optional) Traps for FSM state changes
<i>subsystem</i>	(Optional) subsystem within BGP for SNMP traps

Command Mode

- /exec/configure

snmp-server enable traps bgp cbgp2

[no] snmp-server enable traps bgp cbgp2 [{ state-changes [<subsystem> +] }]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
cbgp2	Enable SNMP CISCO-BGP-MIBv2 traps
state-changes	(Optional) Traps for FSM state changes
<i>subsystem</i>	(Optional) subsystem within BGP for SNMP traps

Command Mode

- /exec/configure

snmp-server enable traps bgp cbgp2 threshold prefix

[no] snmp-server enable traps bgp cbgp2 threshold prefix

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
cbgp2	Enable SNMP CISCO-BGP-MIBv2 traps
threshold	Traps for threshold events
prefix	CISCO specific trap for prefix threshold events

Command Mode

- /exec/configure

snmp-server enable traps bgp threshold prefix

[no] snmp-server enable traps bgp threshold prefix

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
bgp	Enable SNMP BGP traps
threshold	Traps for threshold events
prefix	CISCO specific trap for prefix threshold events

Command Mode

- /exec/configure

snmp-server enable traps eigrp

[no] snmp-server enable traps eigrp [<eigrp-ptag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
eigrp	Enable SNMP EIGRP traps
<i>eigrp-ptag</i>	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospf

[no] snmp-server enable traps ospf [<tag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
<i>tag</i>	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospf lsa

[no] snmp-server enable traps ospf [<tag>] lsa

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
<i>tag</i>	(Optional) Process tag
lsa	Allow sending LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospf rate-limit

```
{ { no snmp-server enable traps ospf [ <tag> ] rate-limit [ <window> <rate> ] } | { snmp-server enable traps ospf [ <tag> ] rate-limit <window> <rate> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospf	Enable SNMP OSPF traps
<i>tag</i>	(Optional) Process tag
rate-limit	Trap rate limit values
<i>window</i>	(Optional) Rate limit window size in seconds
<i>rate</i>	(Optional) Max number of traps sent in window time
<i>tag</i>	(Optional)

Command Mode

- /exec/configure

snmp-server enable traps ospfv3

[no] snmp-server enable traps ospfv3 [<tag>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
<i>tag</i>	(Optional) Process tag

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 lsa

[no] snmp-server enable traps ospfv3 lsa

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
lsa	Enable SNMP OSPFv3 LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 lsa

[no] snmp-server enable traps ospfv3 <tag> lsa

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
<i>tag</i>	Process tag
lsa	Enable SNMP OSPFv3 LSA traps

Command Mode

- /exec/configure

snmp-server enable traps ospfv3 rate-limit

```
{ { no snmp-server enable traps ospfv3 [ <tag> ] rate-limit } | { snmp-server enable traps ospfv3 [ <tag> ]  
rate-limit <swindow> <rate> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
ospfv3	Enable SNMP OSPFv3 traps
<i>tag</i>	(Optional) Process tag
rate-limit	Trap rate limit values
<i>swindow</i>	Rate limit window size in seconds
<i>rate</i>	Max number of traps sent in window time
<i>tag</i>	(Optional)

Command Mode

- /exec/configure

snmp-server enable traps storm-control trap-rate

[no] snmp-server enable traps storm-control trap-rate <rate-per-minute>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
enable	Enable SNMP Traps
traps	Enable SNMP traps
storm-control	Enable storm-control traps
trap-rate	Number of traps per minute
<i>rate-per-minute</i>	per Minute (0 means no upper rate)

Command Mode

- /exec/configure

snmp-server engineID local

snmp-server engineID local <engineId> | no snmp-server engineID local [<engineId>]

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
engineID	Configure a local SNMPv3 engineID
local	engineID of the local agent
<i>engineId</i>	engine ID should be an even number of hexadecimal characters, which ranges from 10 to 64 where every two hexadecimal characters should be separated by colon. Including colons-

Command Mode

- /exec/configure

snmp-server globalEnforcePriv

[no] snmp-server globalEnforcePriv

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
globalEnforcePriv	globally enforce privacy for all the users

Command Mode

- /exec/configure

snmp-server host filter-vrf

[no] snmp-server host <host0> filter-vrf { <vrf-name> | <vrf-known-name> } [udp-port <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to receive SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
filter-vrf	Filters notifications to the notification host receiver based on the configured VRF
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host source

[no] snmp-server host <host0> { source-interface <ifName> } [udp-port <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to send SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
source-interface	Source interface to be used for sending out SNMP notifications to this host
<i>ifName</i>	Source interface name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server host use-vrf

[no] snmp-server host <host0> use-vrf { <vrf-name> | <vrf-known-name> } [udp-port <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
host	Specify hosts to receive SNMP notifications
<i>host0</i>	IPv4 or IPv6 address or DNS Name of SNMP notification host
use-vrf	Configures SNMP to use the selected VRF to communicate with the host receiver
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name
udp-port	(Optional) The notification host's UDP port number
<i>i1</i>	(Optional) The notification host's UDP port number

Command Mode

- /exec/configure

snmp-server local use-vrf

[no] snmp-server local use-vrf <vrf_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
local	Local SNMP access for the third-party applications running on Kernel
use-vrf	User defined VRF
<i>vrf_name</i>	Name of the VRF in which the third-party applications access local SNMP

Command Mode

- /exec/configure

snmp-server location

snmp-server location <line> | no snmp-server location [<line>]

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
location	modify sysLocation
<i>line</i>	modify sysLocation

Command Mode

- /exec/configure

snmp-server mib community-map context

[no] snmp-server mib community-map <community_name> context <context_name>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
mib	mib access parameters
community-map	SNMP community
<i>community_name</i>	SNMP community string
context	SNMP context to be mapped
<i>context_name</i>	name of the SNMP context

Command Mode

- /exec/configure

snmp-server protocol enable

[no] snmp-server protocol enable

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
protocol	snmp protocol operations
enable	Enable/Disable snmp protocol operations

Command Mode

- /exec/configure

snmp-server source-interface informs

[no] snmp-server source-interface { informs } <ifName>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
source-interface	Source interface to be used for sending out SNMP notifications
<i>ifName</i>	Source interface name
informs	SNMP Inform notifications for which this source interface needs to be used

Command Mode

- /exec/configure

snmp-server source-interface traps

[no] snmp-server source-interface { traps } <ifName>

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
source-interface	Source interface to be used for sending out SNMP notifications
<i>ifName</i>	Source interface name
traps	SNMP Trap notifications for which this source interface needs to be used

Command Mode

- /exec/configure

snmp-server system-shutdown

[no] snmp-server system-shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
system-shutdown	Configure snmp-server for reload(2)

Command Mode

- /exec/configure

snmp-server tcp-session

[no] snmp-server tcp-session [auth]

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
tcp-session	Enable one time authentication for snmp over tcp session.
auth	(Optional) Enable one time authentication for snmp over tcp session.

Command Mode

- /exec/configure

snmp-server user

```
[no] snmp-server user <s0> { enforcePriv | [ <s1> ] { [ auth { md5 | sha | sha-224 | sha-256 | sha-384 |
sha-512 } <s2> { { priv [ des | aes-128 ] { <s3> [ { localizedkey | localizedV2key } ] [ { auto | engineID <s4>
} ] } } | [ { localizedkey1 | localizedV2key1 } ] [ { auto1 | engineID1 <s5> } ] } ] } | [ pwd_type 6 auth {
md5 | sha | sha-224 | sha-256 | sha-384 | sha-512 } <s6> { { priv [ des | aes-128 ] { <s7> [ localizedV2key ]
[ { auto | engineID <s4> } ] } } | [ localizedV2key1 ] [ { auto1 | engineID1 <s5> } ] } ] } } }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp-server	Configure snmp server
user	Define a user who can access the SNMP engine
<i>s0</i>	Name of the user
enforcePriv	Enforce privacy for the user
<i>s1</i>	(Optional) Group name (ignored for notif target user)
pwd_type	(Optional) Type of encryption to be used for the password provided
6	(Optional) Type-6 encryption for password
auth	(Optional) authentication parameters for the user
md5	(Optional) Use HMAC MD5 algorithm for authentication
sha	(Optional) Use HMAC SHA-1 algorithm for authentication
sha-224	(Optional) Use HMAC SHA-224 algorithm for authentication
sha-256	(Optional) Use HMAC SHA-256 algorithm for authentication
sha-384	(Optional) Use HMAC SHA-384 algorithm for authentication
sha-512	(Optional) Use HMAC SHA-512 algorithm for authentication
<i>s2</i>	(Optional) authentication password for user (Max length 127 for plain-text and 134 for localized/localizedV2 key)
<i>s6</i>	(Optional) authentication password for user (Max length 127 for plain-text and 256 for localized/localizedV2 key)
priv	(Optional) encryption parameters for the user
des	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
aes-128	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s3</i>	(Optional) privacy password for user (Max length 127 for plain-text and 134 for localized/localizedV2 key)

<i>s7</i>	(Optional) privacy password for user (Max length 127 for plain-text and 256 for localized/localizedV2 key)
localizedkey	(Optional) specifies whether the passwords are in localized key format
localizedV2key	(Optional) specifies whether the passwords are in encrypted format
auto	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
engineID	(Optional) engineID for configuring notif target user (for V3 informs)
<i>s4</i>	(Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons-
localizedkey1	(Optional) specifies whether the passwords are in localized key format
localizedV2key1	(Optional) specifies whether the passwords are in encrypted key format
auto1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
engineID1	(Optional) engineID for configuring notif target user (for V3 informs)
<i>s5</i>	(Optional) Specifies notification target's SNMP engineID. Should be an octet of either Decimal (range: 0 to 255) or Hexadecimal (range: 0 to FF) value, each octet being separated by colon. Hexadecimal value should have prefix of 0x or 0X. Including colons-

Command Mode

- /exec/configure

snmp-server user

```
{ no snmp-server user <user_name> { use-ipv4acl [ <ipv4_acl_name> ] use-ipv6acl [ <ipv6_acl_name> ] |
use-ipv4acl [ <ipv4_acl_name> ] | use-ipv6acl [ <ipv6_acl_name> ] } | snmp-server user <user_name> {
use-ipv4acl <ipv4_acl_name> use-ipv6acl <ipv6_acl_name> | use-ipv4acl <ipv4_acl_name> | use-ipv6acl
<ipv6_acl_name> } }
```

Syntax Description

no	Negate a command or set its defaults
snmp-server	Configure snmp server
user	Define a user who can access the SNMP engine
<i>user_name</i>	Name of the user
use-ipv4acl	Specify IPv4 ACL, the ACL name specified after must be IPv4 ACL.
<i>ipv4_acl_name</i>	(Optional) IPv4 ACL name to filter snmp requests
use-ipv6acl	Specify IPv6 ACL, the ACL name specified after must be IPv6 ACL.
<i>ipv6_acl_name</i>	(Optional) IPv6 ACL name to filter snmp requests

Command Mode

- /exec/configure

snmp ifmib ifalias long

[no] snmp ifmib ifalias long

Syntax Description

no	(Optional) Negate a command or set its defaults
snmp	Configure snmp
ifmib	Configure snmp interface mib feature
ifalias	Configure snmp interface alias attribute for interface mib
long	Enable long description up to 256 characters for interface alias

Command Mode

- /exec/configure

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

no	Negate a command or set its defaults
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-vlan-common

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

no	Negate a command
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-any-tunnel

snmp trap link-status

snmp trap link-status

Syntax Description

snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-port-channel-range /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

snmp trap link-status

[no] snmp trap link-status

Syntax Description

no	Negate a command or set its defaults
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base /exec/configure/if-port-channel /exec/configure/if-port-channel-range /exec/configure/if-ether-sub /exec/configure/if-port-channel-sub /exec/configure/if-ether-sub-switch /exec/configure/if-port-channel-sub-switch /exec/configure/if-remote-ethernet-sub /exec/configure/if-ether-sub-p2p

snmp trap link-status

snmp trap link-status | no snmp trap link-status

Syntax Description

no	Negate a command or set its defaults
snmp	Modify SNMP interface parameters
trap	Allow a specific SNMP trap
link-status	Allow SNMP LINKUP and LINKDOWN traps

Command Mode

- /exec/configure/if-mgmt-ether

snr threshold

[no] snr threshold <thres>

Syntax Description

no	(Optional) Negate a command or set its defaults
snr	SNR threshold configuration
threshold	SNR threshold configuration
<i>thres</i>	SNR threshold value, in dB-Hz

Command Mode

- /exec/configure/gnss-if

snsr-grp sample-interval

snsr-grp <sn-grp-id> sample-interval { 0 | <cadence> } | no snsr-grp <sn-grp-id>

Syntax Description

no	Negate a command or set its defaults
snsr-grp	Associated sensor group
sample-interval	Cadence Time in milliseconds(0 for events)
0	0 for events
<i>sn-grp-id</i>	Identifier
<i>cadence</i>	Cadence Time in milliseconds

Command Mode

- /exec/configure/telemetry/subscription

sockets local-port-range

{ { no sockets local-port-range } | { sockets local-port-range <start-port> <end-port> } }

Syntax Description

no	Negate a command or set its defaults
sockets	Negate a command or set its defaults
local-port-range	Define local port range for Kstack. Note: This CLI requires switch to be reloaded
<i>start-port</i>	Start port of local port range
<i>end-port</i>	End port of local port range

Command Mode

- /exec/configure /exec/configure/config-mgmt

soft-reconfiguration inbound

{ soft-reconfiguration inbound [always] } | { no soft-reconfiguration inbound } | { default soft-reconfiguration inbound }

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
soft-reconfiguration	Soft reconfiguration
inbound	Allow inbound soft reconfiguration
always	(Optional) Always perform inbound soft reconfiguration

Command Mode

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

sort

| sort [-b | -d | -f | -g | -i | -M | -n | -r | -k <key> | -t <delim> | -u] +

Syntax Description

	Pipe command output to filter
sort	Stream Sorter
-b	(Optional) ignore leading blanks
-d	(Optional) consider only blanks and alphanumeric characters
-f	(Optional) fold lower case to upper case characters
-g	(Optional) compare according to general numerical value
-i	(Optional) consider only printable characters
-M	(Optional) month sort
-n	(Optional) compare according to string numerical value
-r	(Optional) reverse the result of comparisons
-k	(Optional) provide a key
-t	(Optional) use different separator instead of non-blank to blank transition
-u	(Optional) remove duplicate lines
<i>key</i>	(Optional) key in format POS1[,POS2] with POS = <field-nb>[.<char-pos>][<ordering>]
<i>delim</i>	(Optional) field delimiter char

Command Mode

- /output

source-address ipv4

[no] source-address ipv4 [<ip-address>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source-address	Configure the source address to be used for PCE connection
ipv4	Configure v4 source address for PCC
<i>ip-address</i>	(Optional) Source address

Command Mode

- /exec/configure/sr/te/pcc

source-address ipv6

[no] source-address { ipv6-addr }

Syntax Description

no	(Optional) Negate a command or set its defaults
source-address	Configure the source address for packets encapsulated in SRv6

Command Mode

- /exec/configure/sr/srv6/encapsulation

source-interface

[no] source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	PLB probe Source-Interface
<i>interface</i>	source interface for probe

Command Mode

- /exec/configure/itd

source-interface

source-interface { <interface> } | no source-interface [<interface>]

Syntax Description

no	Negate a command or set its defaults
source-interface	Configure Source interface to export services
<i>interface</i>	Source interface

Command Mode

- /exec/configure/service-export

source-interface

[no] source-interface | source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface to be used to reach tacacs server
<i>interface</i>	Interface (default is mgmt)

Command Mode

- /exec/configure/tacacs+

source-interface

source-interface <src-intf> | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	Select source interface
<i>src-intf</i>	Specify interface

Command Mode

- /exec/configure/callhome

source-interface

source-interface <interface> | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface
<i>interface</i>	Interface name

Command Mode

- /exec/configure/telemetry/destination-profile

source-interface

source-interface <interface> | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface
<i>interface</i>	Interface name

Command Mode

- /exec/configure/telemetry/destination-group

source-interface

[no] source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	NVE source interface associated with the module
<i>interface</i>	

Command Mode

- /exec/configure/nve-encap

source-interface

source-interface <interface> [anycast <anycast-intf>] | no source-interface

Syntax Description

no	Negate a command or set its defaults
source-interface	NVE Source-Interface
<i>interface</i>	
anycast	(Optional) Specify Anycast loopback interface
<i>anycast-intf</i>	(Optional)

Command Mode

- /exec/configure/if-nve

source-interface

[no] source-interface <interface>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	Configure source interface to reach http server
<i>interface</i>	Interface

Command Mode

- /exec/configure/trustpool

source-interface

source-interface { <interface> } | no source-interface [<interface>]

Syntax Description

no	Negate a command or set its defaults
source-interface	Source address
<i>interface</i>	Source interface for static tunnel routes

Command Mode

- /exec/configure/tunnel-profile

source-interface

[no] source-interface | source-interface <interface>

Syntax Description

no	Negate a command or set its defaults
source-interface	Source interface to be used to reach radius server
<i>interface</i>	Interface (default is mgmt)

Command Mode

- /exec/configure/radius

source-interface hold-down-time

[no] source-interface hold-down-time <sec>

Syntax Description

no	(Optional) Negate a command or set its defaults
source-interface	NVE Source-Interface
hold-down-time	Hold source loopback down time
<i>sec</i>	time in seconds

Command Mode

- /exec/configure/if-nve

source

```
{ [ no ] source { <ipaddr> | <ipv6addr> } }
```

Syntax Description

<code>source</code>	Specify details
<code>ipaddr</code>	Source IP address for collector

Command Mode

- /exec/configure/config-fte-exporter

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/config-int-exporter

source

{ source <intf> } | { no source }

Syntax Description

no	Negate a command or set its defaults
source	specify source interface - needed for modular chassis
<i>intf</i>	Ingress interface for payload traffic

Command Mode

- /exec/configure/configngoamprofileflow

source

{ source { <numeric1> | <numeric2> } | no source }

Syntax Description

no	Negate a command or set its defaults
source	Source
<i>numeric1</i>	IP

Command Mode

- /exec/configure/configngoamconnectcheck

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/nfm-exporter

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/analytics/exporter

source

```
[no] source { { unicast-queue interface <if_list> qos-group <qos-grp> } | { { ingress | egress } { interface <if_list> } } }
```

Syntax Description

no	(Optional) Negate the command
source	Configure Packet Drop Scope
unicast-queue	Specify Capture scope as queue basis
interface	Specify interface associated to particular Queue
<i>if_list</i>	List of interfaces
qos-group	Specify the Qos-grp to be associated
<i>qos-grp</i>	Value 0-7
ingress	Specify Capture scope as Ingress
egress	Specify Capture scope as Egress
interface	Configure the Entity Interface
<i>if_list</i>	List of interfaces

Command Mode

- /exec/configure/pkt-drop

source

[no] source { <ipaddr> | ipv6 <ipv6addr> }

Syntax Description

source	Source configuration
<i>ipaddr</i>	IP Address to be configured
ipv6	IPv6

Command Mode

- /exec/configure/config-ssx-exporter

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/nfm-exporter

source

source [background] <file> [<args>] +

Syntax Description

source	run a script (python, tcl,...) from bootflash:scripts
background	(Optional) run the script in the background, see also 'show background' and 'kill background'
<i>file</i>	the script file to run
<i>args</i>	(Optional) argument to be passed to script

Command Mode

- /exec

source

{ [no] source <intf> | no source }

Syntax Description

source	Source Interface for this destination
<i>intf</i>	Interface

Command Mode

- /exec/configure/config-postcard-exporter

source copy-sys

source copy-sys

Syntax Description

source	run a script (python, tcl,...) from bootflash:scripts
copy-sys	copy the system provided example scripts of /sys to bootflash:scripts

Command Mode

- /exec

source destination

[no] source <src_intf> destination <dst_intf>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Distinct source interface to pin for a given DLB interface
destination	DLB interface
<i>src_intf</i>	Source Interface
<i>dst_intf</i>	Destination Interface

Command Mode

- /exec/configure/dyn-loadbalancing-static-pinning

source forward-drops

[no] source forward-drops <src_dir> [priority-low]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
forward-drops	Forwarding drops
priority-low	(Optional) Drop span session is low priority relative to span acl and vlan sessions
<i>src_dir</i>	Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source group permit

```
{ <seq> source <sourceip> group <range> { permit | deny } } | { no <seq> [ source <sourceip> group <range>
{ permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-vrf/nbm-host-policy/pim

source group permit

```
{ <seq> source <sourceip> group <range> { permit | deny } } | { no <seq> [ source <sourceip> group <range>
{ permit | deny } ] }
```

Syntax Description

no	Negate a command or set its defaults
<i>seq</i>	Sequence Number
source	Source IP Address
<i>sourceip</i>	Source IP Address value
group	Configure explicit group ranges
<i>range</i>	Group Prefix
permit	Admission Permitted
deny	Admission Denied

Command Mode

- /exec/configure/nbm-host-policy/pim

source interface

[no] source interface <interface_range> [<src_dir>] [allow-pfc]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface_range</i>	
<i>src_dir</i>	(Optional) Source direction
allow-pfc	(Optional) Enable SPAN on PFC frames

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source interface

[no] source { interface <interface_range> } [<src_dir>] [allow-pfc]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface_range</i>	
<i>src_dir</i>	(Optional) Source direction
allow-pfc	(Optional) Enable SPAN on PFC frames

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source interface

```
[no] source { interface <interface> } [ <src_dir> ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
interface	Configure interfaces
<i>interface</i>	
<i>src_dir</i>	(Optional) Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source ip

[no] source ip <ipaddress>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source IP address configuration
ip	Configure source IP address
<i>ipaddress</i>	

Command Mode

- /exec/configure/config-monitor-erspan-dst

source ipv4

```
{ [ no ] source ipv4 <ipaddr> }
```

Syntax Description

source	Source configuration
ipv4	IP v4 address
<i>ipaddr</i>	IP Address to be configured

Command Mode

- /exec/configure/config-int-clone-md-sink-collector

source ipv6

[no] source ipv6 <ipv6-address>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source IP address configuration
ipv6	Configure source IPv6 address

Command Mode

- /exec/configure/config-monitor-erspan-dst

source port

[no] source port <portnumber>

Syntax Description

source	Specify the source port
port	Specify the source port
<i>portnumber</i>	Source port number

Command Mode

- /exec/configure/nfm-profile

source port

[no] source port <portnumber>

Syntax Description

source	Specify the source port
port	Specify the source port
<i>portnumber</i>	Source port number

Command Mode

- /exec/configure/analytics/profile

source vlan

[no] source vlan <vlan-range>

Syntax Description

no	(Optional) Negate a command or set its defaults
source	source for ITD L2 traffic
vlan	source vlan
<i>vlan-range</i>	range of vlans

Command Mode

- /exec/configure/itd

source vlan

[no] source vlan <vlan_range> [<src_dir>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
vlan	Vlan type
<i>vlan_range</i>	
<i>src_dir</i>	(Optional) Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

source vsan

[no] source vsan <vsan_range> [<src_dir_rx>]

Syntax Description

no	(Optional) Negate a command or set its defaults
source	Source configuration
vsan	Vsan type
<i>vsan_range</i>	
<i>src_dir_rx</i>	(Optional) Source direction

Command Mode

- /exec/configure/monitor-local-src /exec/configure/config-monitor
/exec/configure/config-monitor-erspan-src

spanning-tree bpdudfilter

spanning-tree bpdudfilter <port-bpdudfilter> | no spanning-tree bpdudfilter [<port-bpdudfilter>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bpdudfilter	Don't send or receive BPDUs on this interface
<i>port-bpdudfilter</i>	Don't send or receive BPDUs on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree bpduguard

spanning-tree bpduguard <port-bpduguard> | no spanning-tree bpduguard [<port-bpduguard>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bpduguard	Don't accept BPDUs on this interface
<i>port-bpduguard</i>	Don't accept BPDUs on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree bridge-domain

[no] spanning-tree bridge-domain <bd-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11

Command Mode

- /exec/configure

spanning-tree bridge assurance

[no] spanning-tree bridge assurance

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
bridge	Spanning tree bridge options
assurance	Enable Bridge Assurance on all network ports

Command Mode

- /exec/configure

spanning-tree cost

spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost <port-cost> | no spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost [<port-cost>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
cost	Change an interface's spanning tree port path cost
<i>port-cost</i>	port path cost

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree cost auto

[no] spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] cost auto

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
cost	Change an interface's spanning tree port path cost
auto	Determine cost based on media speed of this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree domain

spanning-tree domain { enable | disable | <domain-id> } | no spanning-tree domain [enable]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
domain	Spanning Tree Domain
enable	Enable Spanning Tree Domain
disable	Disable Spanning Tree Domain
<i>domain-id</i>	Domain Identifier

Command Mode

- /exec/configure

spanning-tree domain clear statistics

spanning-tree domain clear statistics

Syntax Description

spanning-tree	Spanning Tree Subsystem
domain	Spanning Tree Domain
clear	Clear
statistics	Clear Statistics

Command Mode

- /exec/configure

spanning-tree fcoe

[no] spanning-tree fcoe

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
fcoe	Enable STP for FCoE VLANs

Command Mode

- /exec/configure

spanning-tree guard

spanning-tree guard <guard-type> | no spanning-tree guard [<guard-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
guard	Change an interface's spanning tree guard mode
<i>guard-type</i>	Change an interface's spanning tree guard mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree lc-issu

spanning-tree lc-issu <port-issu-type> | no spanning-tree lc-issu [<port-issu-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
lc-issu	Configure Linecard ISSU type
<i>port-issu-type</i>	ISSU Type

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree lc-issu

spanning-tree lc-issu <issu-type> | no spanning-tree lc-issu [<issu-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
lc-issu	Configure Linecard ISSU type
<i>issu-type</i>	ISSU Type

Command Mode

- /exec/configure

spanning-tree link-type

spanning-tree link-type <link-type-val> | no spanning-tree link-type [<link-type-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
link-type	Specify a link type for spanning tree tree protocol use
<i>link-type-val</i>	Specify a link type for spanning tree tree protocol use

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree loopguard default

[no] spanning-tree loopguard default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
loopguard	Spanning tree loopguard options
default	Enable loopguard by default on all ports

Command Mode

- /exec/configure

spanning-tree mode

spanning-tree mode <stp-mode> | no spanning-tree mode [<stp-mode>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mode	Spanning Tree operating mode
<i>stp-mode</i>	Spanning Tree operating mode

Command Mode

- /exec/configure

spanning-tree mst configuration

[no] spanning-tree mst configuration

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
configuration	Enter MST configuration submenu

Command Mode

- /exec/configure

spanning-tree mst configuration

spanning-tree mst configuration

Syntax Description

spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
configuration	Enter MST configuration submode

Command Mode

- /exec/configure

spanning-tree mst cost

spanning-tree mst <mst-id> cost <port-cost> | no spanning-tree mst <mst-id> cost [<port-cost>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
cost	Change an interface's spanning tree port path cost
<i>port-cost</i>	port path cost

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst cost auto

[no] spanning-tree mst <mst-id> cost auto

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
cost	Change an interface's spanning tree port path cost
auto	Determine cost based on media speed of this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst forward-time

spanning-tree mst forward-time <fwd-time> | no spanning-tree mst forward-time [<fwd-time>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
forward-time	Set the forward delay for the spanning tree
<i>fwd-time</i>	number of seconds for the forward delay timer

Command Mode

- /exec/configure

spanning-tree mst hello-time

spanning-tree mst hello-time <hello-time-val> | no spanning-tree mst hello-time [<hello-time-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
hello-time	Set the hello interval for the spanning tree
<i>hello-time-val</i>	number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree mst max-age

spanning-tree mst max-age <max-age-val> | no spanning-tree mst max-age [<max-age-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
max-age	Set the max age interval for the spanning tree
<i>max-age-val</i>	maximum number of seconds the information in a bpdu is valid

Command Mode

- /exec/configure

spanning-tree mst max-hops

spanning-tree mst max-hops <max-hops-val> | no spanning-tree mst max-hops [<max-hops-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
max-hops	Set the max hops value for the spanning tree
<i>max-hops-val</i>	maximum number of hops a BPDU is valid

Command Mode

- /exec/configure

spanning-tree mst port-priority

spanning-tree mst <mst-id> port-priority <port-prio> | no spanning-tree mst <mst-id> port-priority [<port-prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
<i>mst-id</i>	MST instance list, example 0,2-4,6,8-12
port-priority	Change an interface's spanning tree port priority
<i>port-prio</i>	Spanning-tree port priority

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst pre-standard

[no] spanning-tree mst pre-standard

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
pre-standard	Force pre-standard MST BPDU transmission on port

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst priority

spanning-tree mst <mst-id> priority <prio> | no spanning-tree mst <mst-id> priority [<prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
priority	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure

spanning-tree mst root

```
spanning-tree mst <mst-id> root <root-type> [ diameter <diameter-val> [ hello-time <hello-time-val> ] ] | no
spanning-tree mst <mst-id> root [ <root-type> [ diameter <diameter-val> [ hello-time <hello-time-val> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
<i>mst-id</i>	MST instance range, example: 0-3,5,7-9
diameter	(Optional) Network diameter of this spanning tree
<i>diameter-val</i>	(Optional) Maximum number of bridges between any two end nodes
root	configure switch as root
<i>root-type</i>	configure switch as root
hello-time	(Optional) Set the hello interval for the spanning tree
<i>hello-time-val</i>	(Optional) number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree mst simulate pvst

[no] spanning-tree mst simulate pvst [<simpvst-disable>]

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree
simulate	Enable spanning tree simulation
pvst	Enable PVST simulation
<i>simpvst-disable</i>	(Optional) Disable PVST simulation on this interface

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree mst simulate pvst global

[no] spanning-tree mst simulate pvst global

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
mst	Multiple spanning tree configuration
simulate	Enable spanning tree simulation
pvst	Enable PVST simulation
global	Enable PVST Simulation by default on all ports

Command Mode

- /exec/configure

spanning-tree pathcost method

spanning-tree pathcost method <method-val> | no spanning-tree pathcost method [<method-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
pathcost	Spanning tree pathcost options
method	Method to calculate default port path cost
<i>method-val</i>	Method to calculate default port path cost

Command Mode

- /exec/configure

spanning-tree port-priority

spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] port-priority <port-prio> | no spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] port-priority [<port-prio>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	(Optional) vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
port-priority	Change an interface's spanning tree port priority
<i>port-prio</i>	Spanning-tree port priority

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type

spanning-tree port type <port-type> | no spanning-tree port type [<port-type>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
<i>port-type</i>	Specify a port type for spanning tree protocol use

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type edge bpdufilter default

[no] spanning-tree port type edge bpdufilter default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
bpdufilter	Enable edge port (portfast) bpdu filter on this switch
default	Enable bpdu filter by default on all edge (portfast) ports

Command Mode

- /exec/configure

spanning-tree port type edge bpduguard default

[no] spanning-tree port type edge bpduguard default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
bpduguard	Enable edge port (portfast) bpduguard on this switch
default	Enable bpduguard by default on all edge (portfast) ports

Command Mode

- /exec/configure

spanning-tree port type edge default

[no] spanning-tree port type edge default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
default	Select edge port type by default on all access ports

Command Mode

- /exec/configure

spanning-tree port type edge trunk

spanning-tree port type edge trunk | no spanning-tree port type edge trunk

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
edge	Consider the interface as edge port (enable portfast)
trunk	Consider the interface as edge port (enable portfast) even in trunk mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-ethernet-switch-m

spanning-tree port type network default

[no] spanning-tree port type network default

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
port	Spanning tree port options
type	Specify a port type for spanning tree protocol use
network	Consider the interface as inter-switch link
default	Select network port type by default on all ports

Command Mode

- /exec/configure

spanning-tree pseudo-information

spanning-tree pseudo-information

Syntax Description

spanning-tree	Spanning Tree Subsystem
pseudo-information	configure spanning tree pseudo information

Command Mode

- /exec/configure

spanning-tree vlan

[no] spanning-tree vlan <vlan-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11

Command Mode

- /exec/configure

spanning-tree vlan forward-time

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } forward-time <fwd-time> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } forward-time [<fwd-time>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
forward-time	Set the forward delay for the spanning tree
<i>fwd-time</i>	number of seconds for the forward delay timer

Command Mode

- /exec/configure

spanning-tree vlan hello-time

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } hello-time <hello-time-val> | no spanning-tree {  
vlan <vlan-id> | bridge-domain <bd-id> } hello-time [ <hello-time-val> ]
```

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
hello-time	Set the hello interval for the spanning tree
<i>hello-time-val</i>	number of seconds between generation of config bpdu

Command Mode

- /exec/configure

spanning-tree vlan max-age

spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } max-age <max-age-val> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } max-age [<max-age-val>]

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
max-age	Set the max age interval for the spanning tree
<i>max-age-val</i>	maximum number of seconds the information in a bpdu is valid

Command Mode

- /exec/configure

spanning-tree vlan priority

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } priority <prio> | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } priority [ <prio> ]
```

Syntax Description

<code>no</code>	Negate a command or set its defaults
<code>spanning-tree</code>	Spanning Tree Subsystem
<code>vlan</code>	VLAN Switch Spanning Trees
<code>bridge-domain</code>	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
<code>priority</code>	Set the bridge priority for the spanning tree
<i>prio</i>	bridge priority in increments of 4096

Command Mode

- /exec/configure

spanning-tree vlan root

```
spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } root <root-type> [ diameter <diameter-val> [
hello-time <hello-time-val> ] ] | no spanning-tree { vlan <vlan-id> | bridge-domain <bd-id> } root [ <root-type>
[ diameter <diameter-val> [ hello-time <hello-time-val> ] ] ]
```

Syntax Description

no	Negate a command or set its defaults
spanning-tree	Spanning Tree Subsystem
vlan	VLAN Switch Spanning Trees
bridge-domain	Bridge-Domain Switch Spanning Trees
<i>vlan-id</i>	vlan range, Example: 1,3-5,7,9-11
<i>bd-id</i>	Bridge-Domain range, Example: 2,4-5,7,9-11
diameter	(Optional) Network diameter of this spanning tree
<i>diameter-val</i>	(Optional) Maximum number of bridges between any two end nodes
root	configure switch as root
<i>root-type</i>	configure switch as root
hello-time	(Optional) Set the hello interval for the spanning tree
<i>hello-time-val</i>	(Optional) number of seconds between generation of config bpdu

Command Mode

- /exec/configure

speed-group

speed-group <gspeed_val> | no speed-group [<gspeed_val>]

Syntax Description

no	Negate a command or set its defaults
speed-group	port group speed
<i>gspeed_val</i>	Interface port speed

Command Mode

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

speed

```
speed { <speed_val> }
```

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-mgmt-ether

speed

[no] speed <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
speed	Set the transmit and receive speeds
<i>i0</i>	Transmit and receive speeds

Command Mode

- /exec/configure/com1

speed

[no] speed <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
speed	Set the transmit and receive speeds
<i>i0</i>	Transmit and receive speeds

Command Mode

- /exec/configure/console

speed

```
speed { <speed_val> }
```

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed

speed { <speed_val> }

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-ethernet-p2p

speed

```
speed { <speed_val> }
```

Syntax Description

speed	Enter the port speed
<i>speed_val</i>	Interface port speed

Command Mode

- /exec/configure/if-port-channel

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

no	Negate a command or set its defaults
speed	Enter the port speed
<i>speed_val</i>	(Optional) Interface port speed
auto	(Optional) auto negotiate speed
100	(Optional) 100 Mbps speed
1000	(Optional) 1000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed

```
[no] speed [ { <speed_val> | auto [ 100 [ 1000 ] ] } ]
```

Syntax Description

no	Negate a command or set its defaults
speed	Enter the port speed
<i>speed_val</i>	(Optional) Interface port speed
auto	(Optional) auto negotiate speed
100	(Optional) 100 Mbps speed
1000	(Optional) 1000 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto

speed auto

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 100

speed auto 100

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto 100 1000

speed auto 100 1000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto 100 1000 2500 5000

speed auto 100 1000 2500 5000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed
2500	2500 Mbps speed
5000	5000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto 100 1000

speed auto 100 1000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed
1000	1000 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 100

speed auto 100

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
100	100 Mbps speed

Command Mode

- /exec/configure/if-mgmt-ether

speed auto 2500 5000 10000

speed auto 2500 5000 10000

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed
2500	2500 Mbps speed
5000	5000 Mbps speed
10000	10000 Mbps speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

speed auto

speed auto

Syntax Description

speed	Enter the port speed
auto	auto negotiate speed

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

spf-interval

spf-interval <max-wait> [<initial-wait> <second-wait>] | no spf-interval <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

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

spf-interval

spf-interval <level> <max-wait> [<initial-wait> <second-wait>] | no spf-interval <level> <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>level</i>	IS-IS level
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

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

spf-interval

spf-interval <max-wait> [<initial-wait> <second-wait>] | no spf-interval <max-wait> [<initial-wait> <second-wait>]

Syntax Description

no	Negate a command or set its defaults
spf-interval	Configure SPF interval
<i>max-wait</i>	Maximum wait between trigger and SPF computation (milli-secs)
<i>initial-wait</i>	(Optional) Initial wait between trigger and SPF computation (milli-secs)
<i>second-wait</i>	(Optional) Second wait between trigger and SPF computation (milli-secs)

Command Mode

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

spf hold

```
{ spf { hold-time <i0> | static } | no spf { hold-time [ <i0> ] | static } }
```

Syntax Description

no	Negate a command or set its defaults
spf	Configure parameters related to SPF route computation
hold-time	Configure the hold time between route computations
<i>i0</i>	hold time (in msec)
static	Force static spf computation

Command Mode

- /exec/configure/(fspf-config)

split-horizon per-site

split-horizon per-site | no split-horizon per-site

Syntax Description

no	Negate a command or set its defaults
split-horizon	Split horizon
per-site	For anycast border gateways within the same site

Command Mode

- /exec/configure/config-evpn-msite-bgw

sport

{ sport <sval> | no sport }

Syntax Description

no	Negate a command or set its defaults
sport	Outer UDP source port
<i>sval</i>	Source port

Command Mode

- /exec/configure/configngoamconnectcheck

sport

{ sport <sva> } | { no sport }

Syntax Description

no	Negate a command or set its defaults
sport	Configure ngoam Udp source port range
<i>sva</i>	Udp source port range, max span 1024, Example: 2000-3000,400,500

Command Mode

- /exec/configure/configngoamprofile

src-intf

```
{ src-intf <src_if> }
```

Syntax Description

src-intf	Interface on which the host with src ip of the payload is connected
<i>src_if</i>	Interface

Command Mode

- /exec/configure/configngoamccpayload

srv6

[no] srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure Traffic Engineering Segment Routing V6 related configurations

Command Mode

- /exec/configure/sr/te/sr

srv6

[no] srv6

Syntax Description

no	(Optional) Negate a command or set its defaults
srv6	Configure SRv6 (SR in IPv6) related configurations

Command Mode

- /exec/configure/config-sr

ssh

[no] ssh { kexalgos | ciphers | macs | keytypes } { all | <algo-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
kexalgos	key exchange methods that are used to generate per-connection keys
ciphers	ciphers to encrypt the connection
macs	message authentication codes used to detect traffic modification
keytypes	public key algorithms that the server can use to authenticate itself to the client
all	Control known weak SSH algorithms in current version of NX-OS in addition to the base set of strong algorithms
<i>algo-name</i>	Algorithm name to be configured

Command Mode

- /exec/configure/

ssh6

```
{ ssh6 <s0> [ [ [ vrf { <vrf-name> | <vrf-known-name> } ] [ source-ip <s2> ] [ interface <s1> ] ] ] [
source-interface <intf> ] ] } | { ssh6 <s0> [ [ [ source-ip <s2> ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] [
interface <s1> ] ] ] [ source-interface <intf> ] ] }
```

Syntax Description

ssh6	SSH to another system using IPv6 addressing
vrf	(Optional) vrf to use
source-ip	(Optional) ip address to bind
source-interface	(Optional) Select source interface
interface	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>s0</i>	Enter hostname or user@hostname
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>s2</i>	(Optional) Enter source ip address to bind
<i>s1</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>intf</i>	(Optional)

Command Mode

- /exec

ssh

```
{ ssh <s0> [ [ vrf { <vrf-name> | <vrf-known-name> } ] [ source-ip <s1> ] ] | [ source-interface <intf> ] ] }
| { ssh <s0> [ [ source-ip <s1> ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] | [ source-interface <intf> ] ]
}
```

Syntax Description

ssh	SSH to another system
vrf	(Optional) Display per-VRF information
source-ip	(Optional) ip address to bind
source-interface	(Optional) Select source interface
<i>s0</i>	Enter hostname or user@hostname
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
<i>s1</i>	(Optional) Enter source ip address to bind
<i>intf</i>	(Optional)

Command Mode

- /exec

ssh cipher-mode weak

```
{ { ssh cipher-mode weak } | { no ssh cipher-mode [ weak ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
cipher-mode	Set Cipher-mode for ssh
weak	Enable Weak Ciphers

Command Mode

- /exec/configure/

ssh ciphers aes256-gcm

[no] ssh ciphers aes256-gcm

Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
ciphers	ciphers to encrypt the connection
aes256-gcm	<Deprecated> enable aes256-gcm

Command Mode

- /exec/configure/

ssh idle

```
{ ssh { idle-timeout <i0> } [ keepalive-count <i1> ] | no ssh idle-timeout }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
idle-timeout	SSH Client session idle timeout value
<i>i0</i>	Idle timeout value in seconds, 0 to disable, default is 0
keepalive-count	(Optional) Maximum count of SSH Keepalive packets to be sent to the ssh client
<i>i1</i>	(Optional) Count of SSH Keepalive packets sent to client, default is 0

Command Mode

- /exec/configure/

ssh key

```
{ ssh key { dsa [ force ] | rsa [ { <i0> | <oldrange> } [ force ] ] | ecdsa { <i0> } [ force ] } | no ssh key [ { dsa
[ force ] | rsa [ { <i0> | <oldrange> } [ force ] ] | ecdsa [ { <i0> } [ force ] ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
key	Generate SSH Key
dsa	Generate DSA keys
force	(Optional) Force the generation of keys even if previous ones are present
rsa	Generate RSA keys
<i>i0</i>	(Optional) Enter number of bits (in multiples of 8)
<i>oldrange</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
force	(Optional) Force the generation of keys even if previous ones are present
ecdsa	Generate ECDSA keys
<i>i0</i>	Enter key size in bits (256, 384 or 521)
force	(Optional) Force the generation of keys even if previous ones are present

Command Mode

- /exec/configure

ssh login-attempts

```
{ { ssh login-attempts <d0> } | { no ssh login-attempts [ <d0> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
login-attempts	Set maximum login attempts from ssh
<i>d0</i>	Specify max-attempt number

Command Mode

- /exec/configure/

ssh login-gracetime

```
{ { ssh login-gracetime <d0> } | { no ssh login-gracetime [ <d0> ] } }
```

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
login-gracetime	Set login gracetime for ssh connection
<i>d0</i>	Specify grace time in seconds

Command Mode

- /exec/configure/

ssh port

{ ssh port { <port_number> } | no ssh port }

Syntax Description

no	Negate a command or set its defaults
ssh	SSH to another system
port	Set port number for ssh
<i>port_number</i>	Specify port number

Command Mode

- /exec/configure/

ssh rekey max-data max-time

[no] ssh rekey max-data <data> max-time <time>

Syntax Description

no	(Optional) Negate a command or set its defaults
ssh	SSH to another system
rekey	Renegotiate ssh key
max-data	data units are Kilo(K), Mega(M) and Giga(G)
<i>data</i>	Max data transmitted before key renegotiation
max-time	time units are Seconds(S), Minutes(M) and Hours(H)
<i>time</i>	Max time lapsed before key renegotiation

Command Mode

- /exec/configure/

ssm disable

[no] ssm disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

Command Mode

- /exec/configure/clock-if/fsync

ssm disable

[no] ssm disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

Command Mode

- /exec/configure/if-eth-base/fsync

ssm disable

[no] ssm disable

Syntax Description

no	(Optional) Negate a command or set its defaults
ssm	SSM configuration
disable	Disable sending of SSMs

Command Mode

- /exec/configure/gnss-if/fsync

ssx exporter

[no] ssx exporter <exportername>

Syntax Description

ssx	change ssx settings
exporter	ssx Exporter to be configured
<i>exportername</i>	ssx Exporter to be configured

Command Mode

- /exec/configure/config-ssx

ssx monitor

[no] ssx monitor <monitorname>

Syntax Description

ssx	change ssx settings
monitor	ssx Monitor to be configured
<i>monitorname</i>	ssx Monitor to be configured

Command Mode

- /exec/configure/config-ssx

ssx record

[no] ssx record <recordname>

Syntax Description

ssx	change ssx settings
record	ssx Record to be configured
<i>recordname</i>	ssx Record to be configured

Command Mode

- /exec/configure/config-ssx

ssx system monitor

[no] ssx system monitor <monitorname>

Syntax Description

ssx	change ssx settings
system	global config
monitor	ssx Monitor to be applied
<i>monitorname</i>	ssx Monitor to be applied

Command Mode

- /exec/configure/config-ssx

ssx system system-id

[no] ssx system system-id <systemid>

Syntax Description

ssx	change ssx settings
system	global config
system-id	ssx system-id to be applied
<i>systemid</i>	ssx system-id to be applied, default 0

Command Mode

- /exec/configure/config-ssx

stage-flow

[no] stage-flow

Syntax Description

no	(Optional) Negate a command or set its defaults
stage-flow	Create flow on the switch without valid egress interface

Command Mode

- /exec/configure/nbm-flow-def

stage-flow

[no] stage-flow

Syntax Description

no	(Optional) Negate a command or set its defaults
stage-flow	Create flow on the switch without valid egress interface

Command Mode

- /exec/configure/nbm-vrf/nbm-flow-def

standby

[no] standby [ip <ip-addr-first> | IPv6 <ip-addrv6-first>]

Syntax Description

no	(Optional) Negate a command or set its defaults
standby	Standby node
ip	(Optional) ip address for standby node
<i>ip-addr-first</i>	(Optional) ITD node IPv4 address
IPv6	(Optional) IPv6 address

Command Mode

- /exec/configure/itd-dg-node

start-threshold

[no] start-threshold <start-threshold-rate>

Syntax Description

no	(Optional) Negate the command
start-threshold	Configure Start-threshold parameters in bytes
<i>start-threshold-rate</i>	Specify start threshold-rate

Command Mode

- /exec/configure/pkt-drop/profile

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel5

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/se13

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel4

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel6

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/sel7

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/outse0

start

start

Syntax Description

start	Start Trigger
-------	---------------

Command Mode

- /exec/elamns/outsel5

start filter

start filter <seqno>

Syntax Description

start	Start a configured filter
filter	Configured FPT Filter
<i>seqno</i>	Sequence number

Command Mode

- /exec/flow-path-tracer

state

state <vstate> | no state

Syntax Description

no	Negate a command or set its defaults
state	Operational state of the VLAN
<i>vstate</i>	

Command Mode

- /exec/configure/vlan

state enabled

[no] state enabled

Syntax Description

no	(Optional) Negate a command or set its defaults
state	Port-profile state
enabled	Enable/ disable the port-profile

Command Mode

- /exec/configure/port-profile

static-pinning

[no] static-pinning

Syntax Description

no	(Optional) Negate a command or set its defaults
static-pinning	Pinning interface pairs for distinct source and its dlb interface

Command Mode

- /exec/configure/dyn-loadbalancing

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipacl /exec/configure/vacl

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
statistics	epbr statistics

Command Mode

- /exec/configure/epbr-policy

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipv6acl

statistics

[no] statistics

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/macac1

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipv6acl

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/ipacl /exec/configure/vacl

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/mplsac1

statistics per-entry

[no] statistics per-entry

Syntax Description

no	(Optional) Negate a command or set its defaults
----	---

Command Mode

- /exec/configure/macac1

stats-reporting-period

stats-reporting-period <time-in-sec> | no stats-reporting-period

Syntax Description

no	Negate a command or set its defaults
stats-reporting-period	Interval after which statistics are sent to the BMP server
<i>time-in-sec</i>	Delay value

Command Mode

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

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/sel7

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/se13

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/sel4

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/se15

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/sel6

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elanms/outse0

status

status

Syntax Description

status	Status of Trigger
--------	-------------------

Command Mode

- /exec/elamns/outsel5

stop-threshold

[no] stop-threshold <stop-threshold-rate>

Syntax Description

no	(Optional) Negate the command
stop-threshold	Configure Stop-threshold parameters in bytes
<i>stop-threshold-rate</i>	

Command Mode

- /exec/configure/pkt-drop/profile

stop filter

stop filter <seqno>

Syntax Description

stop	Stop a configured filter
filter	Configured FPT Filter
<i>seqno</i>	Sequence number

Command Mode

- /exec/flow-path-tracer

stopbits

[no] stopbits <stopbits-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
stopbits	Set async line stopbits
<i>stopbits-value</i>	async line stopbits value

Command Mode

- /exec/configure/console

stopbits 1

[no] stopbits { 1 | 2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
stopbits	Set async line stopbits
1	One stop bit
2	Two stop bits

Command Mode

- /exec/configure/com1

storm-ctrl multi

```
storm-ctrl multi { { broadcast { blevel1 <level1> blevel2 <level2> } | multicast { mlevel1 <level1> mlevel2
<level2> } | unicast { ulevel1 <level1> ulevel2 <level2> } } | { action1 { shutdown1 | trap1 } action2 {
shutdown2 | trap2 } } } | no storm-ctrl multi { { broadcast { blevel1 [ <level1> ] blevel2 [ <level2> ] } |
multicast { mlevel1 [ <level1> ] mlevel2 [ <level2> ] } | unicast { ulevel1 [ <level1> ] ulevel2 [ <level2> ] }
} | { action1 { shutdown1 | trap1 } action2 { shutdown2 | trap2 } } }
```

Syntax Description

no	Negate a command or set its defaults
storm-ctrl	Configure Interface storm control
multi	Configure Interface storm control mutli
broadcast	Broadcast address storm control multi
multicast	Multicast address storm control mutli
unicast	Unicast address storm control multi
blevel1	Set allowed broadcast traffic level1 on this interface
mlevel1	Set allowed multicast traffic level1 on this interface
ulevel1	Set allowed unicast traffic level1 on this interface
blevel2	Set allowed broadcast traffic level2 on this interface
mlevel2	Set allowed multicast traffic level2 on this interface
ulevel2	Set allowed unicast traffic level2 on this interface
<i>level1</i>	Enter the storm suppression level1
<i>level2</i>	Enter the storm suppression level2
action1	Action1 on storm control
action2	Action2 on storm control
shutdown1	Shutdown (Err-Disable) port
trap1	Generate SNMP trap
shutdown2	Shutdown (Err-Disable) port
trap2	Generate SNMP trap

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-l2-non-member
/exec/configure/if-eth-port-channel-switch

storm-control-cpu

storm-control-cpu { arp rate <pps> | all <pps2> } | no storm-control-cpu { arp | all }

Syntax Description

no	Negate a command or set its defaults
storm-control-cpu	Configure Interface storm control cpu
arp	arp storm control
rate	Set allowed arp traffic rate on this interface
<i>pps</i>	value in packets per sec
all	Set allowed rate for all traffic types
<i>pps2</i>	value in packets per sec

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

storm-control

```
storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel | port plevel } { pps <pps_val> | <level> } } } | action { shutdown | trap } } | no storm-control { { { broadcast blevel | multicast mlevel | unicast ulevel | port plevel } { pps [ <pps_val> ] | [ <level> ] } } } | action [ shutdown | trap ] }
```

Syntax Description

no	Negate a command or set its defaults
storm-control	Configure Interface storm control
broadcast	Broadcast address storm control
multicast	Multicast address storm control
unicast	Unicast address storm control
port	Port level storm control
blevel	Set allowed broadcast traffic level on this interface
mlevel	Set allowed multicast traffic level on this interface
ulevel	Set allowed unicast traffic level on this interface
plevel	Set allowed Port traffic level on this interface
<i>level</i>	Enter the storm suppression level
pps	Storm-control level is specified in packets per second
<i>pps_val</i>	Enter the storm suppression level in pps
action	Action on storm control
shutdown	Shutdown (Err-Disable) port
trap	Generate SNMP trap

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

streetaddress

{ streetaddress <line> | no streetaddress }

Syntax Description

no	Negate a command or set its defaults
streetaddress	Configure replacement part shipping address.
<i>line</i>	Provide street address (white spaces are fine)

Command Mode

- /exec/configure/callhome

stub

```
{ { [ eigrp ] stub [ { [ direct | connected | static | summary ] [ redistributed ] } + [ leak-map <leak-map> ] | {
receive-only } ] } } | { no [ eigrp ] stub [ { [ direct | connected | static | summary ] [ redistributed ] } + [ leak-map
<leak-map> ] | { receive-only } ] } }
```

Syntax Description

no	Negate a command or set its defaults
eigrp	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
stub	Set IP-EIGRP as stubbed router
direct	(Optional) Do advertise connected routes
connected	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
static	(Optional) Do advertise static routes
summary	(Optional) Do advertise summary routes
redistributed	(Optional) Do advertise redistributed routes
leak-map	(Optional) Allow dynamic prefixes based on the leak-map
<i>leak-map</i>	(Optional) leak-map name
receive-only	(Optional) Set IP-EIGRP as receive only neighbor

Command Mode

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

subscription

[no] subscription <sub-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
subscription	Create a Subscription
<i>sub-id</i>	Identifier

Command Mode

- /exec/configure/telemetry

summary-address

[no] summary-address { <ip-dest> <ip-mask> | <ip-prefix> } [tag <tagval> | not-advertise]

Syntax Description

no	(Optional) Negate a command or set its defaults
summary-address	Configure route summarization for redistribution
<i>ip-dest</i>	IP prefix format: i.i.i.i
<i>ip-mask</i>	IP network mask format: m.m.m.m
<i>ip-prefix</i>	IP prefix format: x.x.x.x/ml
tag	(Optional) 32-bit tag value
<i>tagval</i>	(Optional) 32-bit tag value
not-advertise	(Optional) Suppress advertising the specified summary

Command Mode

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

summary-address

summary-address { <ip-addr> <ip-mask> | <ip-prefix> } <level> | no summary-address { <ip-addr> <ip-mask> | <ip-prefix> } [<level>]

Syntax Description

no	Negate a command or set its defaults
summary-address	Configure IP address summaries
<i>ip-addr</i>	IP summary address
<i>ip-mask</i>	IP summary mask
<i>ip-prefix</i>	IP summary prefix
<i>level</i>	Level to summarize into

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common /exec/configure/router-isis/router-isis-af-ipv4

summary-address

summary-address <ipv6-prefix> <level> | no summary-address <ipv6-prefix> [<level>]

Syntax Description

no	Negate a command or set its defaults
summary-address	Configure IP address summaries
<i>level</i>	Level to summarize into

Command Mode

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

summary-address

[no] summary-address <ipv6-prefix> [tag <tagval> | not-advertise]

Syntax Description

no	(Optional) Negate a command or set its defaults
summary-address	Configure route summarization for redistribution
tag	(Optional) 32-bit tag value
<i>tagval</i>	(Optional) 32-bit tag value
not-advertise	(Optional) Suppress advertising the specified summary

Command Mode

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

suppress-arp

[no] suppress-arp [disable]

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-arp	Enable ARP suppression
disable	(Optional) Override the global ARP suppression config

Command Mode

- /exec/configure/if-nve/vni

suppress-fib-pending

[no] suppress-fib-pending

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-fib-pending	Advertise only routes that are programmed in hardware to peers

Command Mode

- /exec/configure/router-bgp

suppress-fib-pending

[no] suppress-fib-pending

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-fib-pending	Advertise only routes that are programmed in hardware to peers

Command Mode

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

suppress-inactive

[no | default] suppress-inactive

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
suppress-inactive	Advertise only active routes to peer

Command Mode

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

suppress-inactive

[no] suppress-inactive

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress-inactive	Advertise only active routes to peers

Command Mode

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

suppress-signaling-protocol ldp

[no | default] suppress-signaling-protocol ldp

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
suppress-signaling-protocol	Suppress VPLS BGP AD protocol
ldp	LDP signaling

Command Mode

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

suppress mac-route

[no] suppress mac-route

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress	Suppress MAC only route advertisement
mac-route	MAC route

Command Mode

- /exec/configure/if-nve

suppress nd

[no] suppress nd

Syntax Description

no	(Optional) Negate a command or set its defaults
suppress	Enable Suppression
nd	Enable ND Suppression for ARP suppression enabled VNIs

Command Mode

- /exec/configure/if-nve

switch-id

switch-id <asid> | no switch-id

Syntax Description

no	Negate a command or set its defaults
switch-id	Configure Switch ID
<i>asid</i>	Anycast Switch ID

Command Mode

- /exec/configure/anycast

switch-latency

[no] switch-latency

Syntax Description

switch-latency	Enable switch-latency. Default is end to end latency.
----------------	---

Command Mode

- /exec/configure/analytics/system

switch-latency

[no] switch-latency

Syntax Description

switch-latency	Enable switch-latency. Default is end to end latency.
----------------	---

Command Mode

- /exec/configure/nfm-system

switch-priority

{ switch-priority <i0> | no switch-priority }

Syntax Description

no	Negate a command or set its defaults
switch-priority	Priority of the switch(0-highest 7-lowest)
<i>i0</i>	Priority of the switch(0-highest 7-lowest)

Command Mode

- /exec/configure/callhome

switch-profile

[no] switch-profile <s0> { profile-only { local | all } | local-config | all-config }

Syntax Description

no	Negate a command or set its defaults
switch-profile	Enter switch-profile configuration mode
s0	Enter the name of the switch-profile
profile-only	Deletion of profile only and no other configuration
local	Deletion of profile only and no other configurations in local switch
all	Deletion of profile only and no other configurations from all the peers
local-config	Deletion of profile and local configuration
all-config	Deletion of profile, local and peer configurations

Command Mode

- /exec/configure

switch-profile

switch-profile <s0>

Syntax Description

switch-profile	Enter switch-profile configuration mode
<i>s0</i>	Enter the name of the switch-profile

Command Mode

- /exec/configure

switch-role border-leaf

[no] switch-role border-leaf

Syntax Description

no	(Optional) Negate a command or set its defaults
switch-role	Switch Role
border-leaf	Border Leaf

Command Mode

- /exec/configure/nbm-controller

switchback

switchback

Syntax Description

switchback	switchback to default vdc
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Command Mode

- /exec

switching-mode fabric-speed 40g

[no] switching-mode fabric-speed 40g

Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
fabric-speed	fabric speed settings
40g	fabric speed at 40g instead of 42g

Command Mode

- /exec/configure

switching-mode fast-to-slow-speed-cut-through

[no] switching-mode fast-to-slow-speed-cut-through

Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
fast-to-slow-speed-cut-through	Operate in fast-to-slow speed cut-through mode

Command Mode

- /exec/configure

switching-mode store-forward

[no] switching-mode store-forward

Syntax Description

no	(Optional) Negate a command or set its defaults
switching-mode	Configure the operating switching-mode of asics
store-forward	Operate in store and forward mode

Command Mode

- /exec/configure

switchport

switchport

Syntax Description

switchport	Configure switchport parameters
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Command Mode

- /exec/configure/if-eth-non-member /exec/configure/if-ethernet-all /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

switchport

[no] switchport

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-eth-non-member /exec/configure/if-ethernet /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-port-channel /exec/configure/if-ethernet-p2p

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-eth-port-channel-switch

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-veth

switchport access vlan

switchport access vlan <vlan-id-access> | no switchport access vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
access	Set access mode characteristics of the interface
vlan	Set VLAN when interface is in access mode
<i>vlan-id-access</i>	VLAN ID of the VLAN when this port is in access mode

Command Mode

- /exec/configure/if-ethernet-all

switchport autostate exclude

```
switchport autostate exclude [ vlan { <exclude-vlans> | add <add-vlans> | except <except-vlans> | remove
<remove-vlans> | all | none } ] | no switchport autostate exclude [ dummy ] [ vlan { <exclude-vlans> | add
<add-vlans> } ]
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
autostate	Include or exclude this port from vlan link up calculation
exclude	Exclude this port from vlan link up calculation
vlan	(Optional) VLAN Id
<i>exclude-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
add	(Optional) add VLANs to except list
<i>add-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
except	(Optional) List of VLANs to excepted from auto-state exclude
<i>except-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
remove	(Optional) remove VLANs from except list
<i>remove-vlans</i>	(Optional) VLAN IDs of the VLANs to auto-state exclude on this interface
all	(Optional) Exclude all VLANs
none	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
dummy	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-port-channel-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-remote-ethernet-switch

switchport backup interface

[no] switchport backup interface <if0> [__readonly__ <from_snmp>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
__readonly__	(Optional) Read Only
<i>from_snmp</i>	(Optional) Configuration comes from SNMP

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface

[no] switchport backup interface <if0> [__readonly__ <from_snmp>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
<i>__readonly__</i>	(Optional) Read Only
<i>from_snmp</i>	(Optional) Configuration comes from SNMP

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface multicast fast-convergence

[no] switchport backup interface <if0> multicast fast-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
multicast	multicast parameters
fast-convergence	configure fast convergence on backup interface

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface multicast fast-convergence

[no] switchport backup interface <if0> multicast fast-convergence

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
multicast	multicast parameters
fast-convergence	configure fast convergence on backup interface

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption delay

{ switchport backup interface <if0> preemption delay <delay_secs> } | { no switchport backup interface <if0> preemption delay }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
delay	preemption parameters
<i>preemption</i>	delay
<i>delay_secs</i>	preemption delay in seconds

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption delay

{ switchport backup interface <if0> preemption delay <delay_secs> } | { no switchport backup interface <if0> preemption delay }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
delay	preemption parameters
<i>preemption</i>	delay
<i>delay_secs</i>	preemption delay in seconds

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption mode

{ switchport backup interface <if0> preemption mode <preempt_mode> } | { no switchport backup interface <if0> preemption mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
mode	set the preemption mode
<i>preemption</i>	mode
<i>preempt_mode</i>	preemption mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport backup interface preemption mode

{ switchport backup interface <if0> preemption mode <preempt_mode> } | { no switchport backup interface <if0> preemption mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
backup	Set backup for the interface
interface	Specify an interface as backup
<i>if0</i>	Enter interface name
preemption	preemption parameters
mode	set the preemption mode
<i>preemption</i>	mode
<i>preempt_mode</i>	preemption mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-range /exec/configure/if-eth-port-channel-switch /exec/configure/if-ethernet-all

switchport beacon

[no] switchport beacon

Syntax Description

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

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-legacy-eth

switchport block unicast

switchport block { unicast | multicast } | no switchport block { unicast | multicast }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
block	Block specified outbound traffic for all VLANs
unicast	Block unknown unicast traffic
multicast	Block flood multicast traffic

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport description

switchport description <desc_line> | no switchport description [<desc_line>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
description	Enter description of maximum 254 characters
<i>desc_line</i>	Description of maximum 254 characters

Command Mode

- /exec/configure/if-iscsi /exec/configure/if-fcip /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-gig-ether /exec/configure/if-fa /exec/configure/if-fv /exec/configure/if-san-port-channel /exec/configure/if-sme /exec/configure/if-ioa /exec/configure/if-gig-ether-sub /exec/configure/if-vfc /exec/configure/if-vfc-port-channel

switchport dot1q ethertype

switchport dot1q ethertype { 0x8100 | 0x88A8 | 0x9100 | <any> } | no switchport dot1q ethertype [<any>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
dot1q	Configure dot1q EtherType value
ethertype	Configure dot1q EtherType value
0x8100	Default EtherType for 802.1q frames
0x88A8	EtherType for 802.1ad double tagged frames
0x9100	EtherType for QinQ frames
<i>any</i>	Any EtherType

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all

switchport dot1q ethertype

switchport dot1q ethertype { 0x8100 | 0x88A8 | 0x9100 | <any> } | no switchport dot1q ethertype [<any>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
dot1q	Configure dot1q EtherType value
ethertype	Configure dot1q EtherType value
0x8100	Default EtherType for 802.1q frames
0x88A8	EtherType for 802.1ad double tagged frames
0x9100	EtherType for QinQ frames
<i>any</i>	Any EtherType

Command Mode

- /exec/configure/if-eth-port-channel-switch

switchport duplex

```
{ switchport duplex { auto | full | half } | no switchport duplex [ { auto | full | half } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
duplex	Enter the port duplex mode
auto	auto negotiate duplex mode
full	full duplex mode
half	half duplex mode

Command Mode

- /exec/configure/if-legacy-eth /exec/configure/if-mgmt-ether

switchport host

[no] switchport host

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
host	Set port host

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-switch
/exec/configure/if-ethernet-switch-m /exec/configure/if-ethernet-all

switchport ignore bit-errors

{ switchport ignore bit-errors | no switchport ignore bit-errors }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
ignore	Enter parameter to be ignored
bit-errors	ignore bit-errors

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

switchport isolated

[no] switchport isolated

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
isolated	Disable loop-free detection.

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mac-address static

[no] switchport mac-address { static-only }

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
mac-address	Mac-address related configuration
static-only	Enable restricted access on sub-interfaces and permit only static-mac traffic

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mac-learn disable

switchport mac-learn disable | no switchport mac-learn disable

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mac-learn	Disable/enable mac learning on interface
disable	Disable mac learning on all VLANs on interface

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-veth

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

{ switchport mode { <port_mode> } | no switchport mode }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	port mode

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-fcip

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-san-port-channel

switchport mode

switchport mode <port_mode> | no switchport mode [<port_mode>]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
<i>port_mode</i>	Port mode

Command Mode

- /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

switchport mode fabricpath

[no] switchport mode fabricpath

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
fabricpath	port mode fabricpath

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode monitor buffer-limit

switchport mode monitor buffer-limit { <value> [packets | bytes | kbytes | mbytes] } | no switchport mode monitor buffer-limit

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
monitor	Configures an interface as span-destination
buffer-limit	Set buffer limit for span destination
<i>value</i>	Limit in terms of packets
packets	(Optional) Packets
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes

Command Mode

- /exec/configure/if-eth-12-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mode private-vlan

```
{ switchport mode private-vlan <pvlan_mode> } | { no switchport mode private-vlan [ <pvlan_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
<i>pvlan_mode</i>	private vlan mode

Command Mode

- /exec/configure/if-veth

switchport mode private-vlan

```
{ switchport mode private-vlan <port_mode> } | { no switchport mode private-vlan [ <port_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
<i>port_mode</i>	private vlan mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-remote-ethernet-switch

switchport mode private-vlan trunk

```
{ switchport mode private-vlan trunk <trunk_mode> } | { no switchport mode private-vlan trunk [ <trunk_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
trunk	private-vlan trunk
<i>trunk_mode</i>	private vlan trunk mode

Command Mode

- /exec/configure/if-veth

switchport mode private-vlan trunk

```
{ switchport mode private-vlan trunk <trunk_mode> } | { no switchport mode private-vlan trunk [ <trunk_mode> ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mode	Enter the port mode
private-vlan	Set the private VLAN configuration
trunk	private-vlan trunk
<i>trunk_mode</i>	private vlan trunk mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch /exec/configure/if-remote-ethernet-switch

switchport monitor

switchport monitor [ingress [learning]] | no switchport monitor

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
monitor	Configures an interface as span-destination
ingress	(Optional) Enables the forwarding on incoming packets
learning	(Optional) Enables mac-learning

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport mtu

{ switchport mtu <i0> | no switchport mtu [<i0>] }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
mtu	Configure mtu for the port
<i>i0</i>	Enter mtu

Command Mode

- /exec/configure/if-san-port-channel /exec/configure/if-gig-ether-sub /exec/configure/if-legacy-eth

switchport owner

{ switchport owner { <owner_str> } | no switchport owner }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
owner	Specify the owner of an interface
<i>owner_str</i>	Owner of maximum 80 characters

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

switchport port-security

[no] switchport port-security

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security aging time

switchport port-security aging time { 0 | <value> } | no switchport port-security aging time [[0 | <value>]]

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
aging	Port-security aging commands
time	Port-security aging time
0	0 disables aging
<i>value</i>	Aging time in minutes. Enter a value between 1 and 1440

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security aging type absolute

[no] switchport port-security aging type { absolute | inactivity }

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
aging	Port-security aging commands
type	Type of timers
absolute	Absolute Timer
inactivity	Inactivity Timer

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security mac-address

[no] switchport port-security mac-address <mac-address> [vlan <vlanid>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
mac-address	MAC address
<i>mac-address</i>	48 bit mac address format HHHH.HHHH.HHHH
vlan	(Optional) Vlan on which the mac address should be secured
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security mac-address sticky

[no] switchport port-security mac-address sticky

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
mac-address	MAC address
sticky	Sticky MAC address

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security maximum

[no] switchport port-security maximum <value> [vlan <vlanid>]

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
maximum	Max secure addresses
<i>value</i>	Maximum addresses 1 to 1025
vlan	(Optional) Vlan on which the mac address should be secured
<i>vlanid</i>	(Optional) vlan id. Enter a value between 1 and 4094

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport port-security violation

[no] switchport port-security violation { protect | restrict | shutdown }

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
port-security	Port security related command
violation	Security violation mode
protect	security violation protect mode
restrict	security violation restrict mode
shutdown	security violation shutdown mode

Command Mode

- /exec/configure/if-ethernet /exec/configure/if-switching /exec/configure/if-veth /exec/configure/if-veth-all

switchport priority extend cos

{ switchport priority extend { cos <cos-value> | trust } | no switchport priority extend }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
priority	CoS Priority parameter
extend	Enter priority extend mode
cos	Switch will send CDP packet to instruct phone to mark data traffic with CoS value
<i>cos-value</i>	Trust CoS value to be sent to the IP Phone
trust	Switch will send CDP packet to instruct phone to trust tagged data traffic

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all

switchport private-vlan association trunk

```
{ switchport private-vlan association trunk <primary-vlan> <secondary-vlan> } | { no switchport private-vlan association trunk [ <primary-vlan> [ <secondary-vlan> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
association	private vlan trunk association
trunk	private-vlan trunk secondary
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-veth

switchport private-vlan association trunk

```
{ switchport private-vlan association trunk <primary-vlan> <secondary-vlan> } | { no switchport private-vlan association trunk [ <primary-vlan> [ <secondary-vlan> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
association	private vlan trunk association
trunk	private-vlan trunk secondary
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan host-association

{ switchport private-vlan host-association <primary-vlan> <secondary-vlan> } | { no switchport private-vlan host-association }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
host-association	Set the private VLAN host association
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-veth

switchport private-vlan host-association

{ switchport private-vlan host-association <primary-vlan> <secondary-vlan> } | { no switchport private-vlan host-association }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
host-association	Set the private VLAN host association
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary VLAN ID
<i>secondary-vlan</i>	Secondary VLAN ID

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan mapping

```
{ switchport private-vlan mapping <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no switchport private-vlan mapping [ <primary-vlan> <secondary_vlans> ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-veth

switchport private-vlan mapping

```
{ switchport private-vlan mapping <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no switchport private-vlan mapping [ <primary-vlan> <secondary_vlans> ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan mapping trunk

```
{ switchport private-vlan mapping trunk <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no
switchport private-vlan mapping trunk [ <primary-vlan> [ <secondary_vlans> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
trunk	private-vlan trunk promiscuous
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-veth

switchport private-vlan mapping trunk

```
{ switchport private-vlan mapping trunk <primary-vlan> [ { add | remove } ] <secondary_vlans> } | { no
switchport private-vlan mapping trunk [ <primary-vlan> [ <secondary_vlans> ] ] }
```

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
mapping	Set the private VLAN access/trunk promiscuous mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
trunk	private-vlan trunk promiscuous
<i>primary-vlan</i>	Primary private VLAN
<i>secondary_vlans</i>	Secondary VLAN IDs

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan trunk allowed vlan

switchport private-vlan trunk allowed vlan { <allowed-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport private-vlan trunk allowed vlan <no-allowed-vlans>

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
trunk	Set the private vlan trunking configuration
allowed	Set allowed VLANs when interface is in private-vlan trunking mode
vlan	VLAN status
<i>allowed-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
all	all VLANs
none	no VLANs
no	Negate a command or set its defaults
<i>no-allowed-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode

Command Mode

- /exec/configure/if-veth

switchport private-vlan trunk allowed vlan

switchport private-vlan trunk allowed vlan { <allowed-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport private-vlan trunk allowed vlan <no-allowed-vlans>

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
trunk	Set the private vlan trunking configuration
allowed	Set allowed VLANs when interface is in private-vlan trunking mode
vlan	VLAN status
<i>allowed-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when interface is in private-vlan trunking mode
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode
all	all VLANs
none	no VLANs
no	Negate a command or set its defaults
<i>no-allowed-vlans</i>	VLAN IDs of disallowed VLANs when this port is in trunking mode

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport private-vlan trunk native vlan

{ switchport private-vlan trunk native vlan <native-vlan> } | { no switchport private-vlan trunk native vlan }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
no	Negate a command or set its defaults
trunk	Set the private vlan trunking configuration
native	Set the private vlan trunking native configuration
vlan	VLAN status
<i>native-vlan</i>	native vlan id

Command Mode

- /exec/configure/if-veth

switchport private-vlan trunk native vlan

{ switchport private-vlan trunk native vlan <native-vlan> } | { no switchport private-vlan trunk native vlan }

Syntax Description

switchport	Configure switchport parameters
private-vlan	Set the private VLAN configuration
no	Negate a command or set its defaults
trunk	Set the private vlan trunking configuration
native	Set the private vlan trunking native configuration
vlan	VLAN status
<i>native-vlan</i>	native vlan id

Command Mode

- /exec/configure/if-switching /exec/configure/if-eth-port-channel-switch

switchport promiscuous-mode off

switchport promiscuous-mode { off | on }

Syntax Description

switchport	Configure switchport parameters
promiscuous-mode	Configure promiscuous mode for the port
off	Disable promiscuous mode
on	Enable promiscuous mode

Command Mode

- /exec/configure/if-san-port-channel /exec/configure/if-gig-ether-sub /exec/configure/if-legacy-eth

switchport speed

```
{ switchport speed { 1000 | 2000 | 4000 | 8000 | 10000 | 16000 | 32000 | auto [ max { 20001 | 40001 | 80001
| 160001 | 320001 } ] } | no switchport speed [ { 1000 | 2000 | 4000 | 8000 | 10000 | 16000 | 32000 | auto [
max { 20001 | 40001 | 80001 | 160001 | 320001 } ] } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
speed	Enter the port speed
1000	1000 Mbps speed
2000	2000 Mbps speed
4000	4000 Mbps speed
8000	8000 Mbps speed
10000	10000 Mbps speed
16000	16000 Mbps speed
32000	32000 Mbps speed
auto	auto negotiate speed
max	(Optional) Maximum speed
20001	(Optional) Maximum speed is 2000
40001	(Optional) Maximum speed is 4000
80001	(Optional) Maximum speed is 8000
160001	(Optional) Maximum speed is 16000
320001	(Optional) Maximum speed is 32000

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-port-channel /exec/configure/if-san-port-channel

switchport speed

{ switchport speed { 10 | 100 | 1000 | auto } | no switchport speed [{ 10 | 100 | 1000 | auto }] }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
speed	Enter the port speed
10	10 Mbps speed
100	100 Mbps speed
1000	1000 Mbps speed
auto	auto negotiate speed

Command Mode

- /exec/configure/if-mgmt-ether

switchport trunk allow-multi-tag

switchport trunk allow-multi-tag | no switchport trunk allow-multi-tag

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allow-multi-tag	Allows Multiple Q-Tags

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport trunk allowed vlan

switchport trunk allowed vlan { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport trunk allowed vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Set allowed VLAN characteristics when interface is in trunking mode
vlan	Set allowed VLANs when interface is in trunking mode
<i>allow-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
all	all VLANs
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
none	no VLANs
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode

Command Mode

- /exec/configure/if-veth

switchport trunk allowed vlan

switchport trunk allowed vlan { <allow-vlans> | add <add-vlans> | except <except-vlans> | remove <remove-vlans> | all | none } | no switchport trunk allowed vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Set allowed VLAN characteristics when interface is in trunking mode
vlan	Set allowed VLANs when interface is in trunking mode
<i>allow-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
add	add VLANs to the current list
<i>add-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
all	all VLANs
except	all VLANs except the following
<i>except-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode
none	no VLANs
remove	remove VLANs from the current list
<i>remove-vlans</i>	VLAN IDs of the allowed VLANs when this port in trunking mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all /exec/configure/if-eth-port-channel-switch

switchport trunk allowed vsan

```
{ switchport trunk allowed vsan { add <i0> | all | <i1> [ no-warning ] } | no switchport trunk allowed vsan [
{ add <i0> | all | <i1> } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Configure allowed list for interface(s)
vsan	Configure allowed list for interface(s)
add	give VSAN id range to add to allowed vsan list
<i>i0</i>	VSAN id range
all	add all the vsans to allowed vsan list
<i>i1</i>	VSAN id range
no-warning	(Optional) Avoid displaying a warning message and user prompt for this command

Command Mode

- /exec/configure/if-vfc

switchport trunk allowed vsan

```
{ switchport trunk allowed vsan { add <i0> | all | <i1> [ no-warning ] } | no switchport trunk allowed vsan [
{ add <i0> | all | <i1> } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
allowed	Configure allowed list for interface(s)
vsan	Configure allowed list for interface(s)
add	give VSAN id range to add to allowed vsan list
<i>i0</i>	VSAN id range
all	add all the vsans to allowed vsan list
<i>il</i>	VSAN id range
no-warning	(Optional) Avoid displaying a warning message and user prompt for this command

Command Mode

- /exec/configure/if-fc /exec/configure/if-san-port-channel /exec/configure/if-fcip /exec/configure/if-svc /exec/configure/if-bay /exec/configure/if-ext

switchport trunk l3-multicast receiver-vlan

switchport trunk l3-multicast receiver-vlan <vlan-id> | no switchport trunk l3-multicast receiver-vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
l3-multicast	L3 multicast configuration
receiver-vlan	Set the receiver vlan ID for L3 multicast
<i>vlan-id</i>	vlan

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

switchport trunk mode

```
{ switchport trunk mode { <trunk_mode> } | no switchport trunk mode [ { <trunk_mode> } ] }
```

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
mode	Configure trunking mode
<i>trunk_mode</i>	Trunk mode

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext /exec/configure/if-port-channel /exec/configure/if-fcip /exec/configure/if-san-port-channel /exec/configure/if-vfc /exec/configure/if-vfc-port-channel /exec/configure/if-vfc-veth

switchport trunk native vlan

switchport trunk native vlan <vlan-id-native> | no switchport trunk native vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
native	Set trunking native characteristics when interface is in trunking mode
vlan	Set native VLAN when interface is in trunking mode
<i>vlan-id-native</i>	VLAN ID of the native VLAN when this port is in trunking mode

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport trunk native vlan

switchport trunk native vlan <vlan-id-native> | no switchport trunk native vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
native	Set trunking native characteristics when interface is in trunking mode
vlan	Set native VLAN when interface is in trunking mode
<i>vlan-id-native</i>	VLAN ID of the native VLAN when this port is in trunking mode

Command Mode

- /exec/configure/if-veth

switchport trunk pruning vlan except add remove none all

{ no switchport trunk pruning vlan [<vlan-ids>] | switchport trunk pruning vlan <vlan-ids> | switchport trunk pruning vlan except <vlan-ids> | switchport trunk pruning vlan add <vlan-ids> | switchport trunk pruning vlan remove <vlan-ids> | switchport trunk pruning vlan none | switchport trunk pruning vlan all }

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
trunk	Configure trunking parameters on an interface
pruning	Set pruning VLAN characteristics when interface is in trunking mode
vlan	Enter VLANs
add	add VLANs to the current list
remove	remove VLANs from the current list
except	all VLANs except the following
none	no VLANs
all	all VLANs
<i>vlan-ids</i>	(Optional) Enter VLANs

Command Mode

- /exec/configure/if-switching

switchport virtual-ethernet-bridge

switchport virtual-ethernet-bridge | no switchport virtual-ethernet-bridge

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
virtual-ethernet-bridge	Enable hair-pin forwarding

Command Mode

- /exec/configure/if-eth-l2-non-member /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping

[no] switchport vlan mapping <vlan-id-orig> [inner <vlan-id-inner>] <vlan-id-translated>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
<i>vlan-id-orig</i>	VLAN ID 1-4094
inner	(Optional) inner vlanid
<i>vlan-id-inner</i>	(Optional) Inner VLAN ID
<i>vlan-id-translated</i>	Translated VLAN ID

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping all

[no] switchport vlan mapping all

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
all	all VLANs

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping all dot1q-tunnel

[no] switchport vlan mapping all dot1q-tunnel <vlan-id-translated>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
all	all VLANs
dot1q-tunnel	selective dot1q-tunnel
<i>vlan-id-translated</i>	Translated VLAN ID

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping dot1q-tunnel

[no] switchport vlan mapping <vlan-id-orig2> dot1q-tunnel <vlan-id-translated>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
<i>vlan-id-orig2</i>	VLAN ID 1-4094 or Vlan range(s): 1-5, 10 or 2-5,7-19 for Selective dot1q-tunnel
dot1q-tunnel	selective dot1q-tunnel
<i>vlan-id-translated</i>	Translated VLAN ID

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping dot1q-tunnel allowed-vlan

[no] switchport vlan mapping dot1q-tunnel allowed-vlan <vlan-id-list>

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
dot1q-tunnel	selective dot1q-tunnel
allowed-vlan	Set allowed VLAN characteristics when interface is in trunking mode
<i>vlan-id-list</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport vlan mapping enable

[no] switchport vlan mapping enable

Syntax Description

no	(Optional) Negate a command or set its defaults
switchport	Configure switchport parameters
vlan	Set VLAN translation mapping
mapping	VLAN translation mapping
enable	enable/disable VLAN translation

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch
/exec/configure/if-remote-ethernet-switch /exec/configure/if-ethernet-all
/exec/configure/if-eth-port-channel-switch

switchport voice vlan

switchport voice vlan { <vlan-id-voice> | dot1p | untagged } | no switchport voice vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
voice	Set voice mode characteristics of the interface
vlan	Set VLAN for VoIP traffic
<i>vlan-id-voice</i>	VLAN ID of the VLAN configured for VoIP traffic
dot1p	Switch will send CDP packets to instruct IP phone to send voice traffic in 802.1p frames
untagged	Switch will send CDP packets to instruct IP phone to send voice traffic untagged

Command Mode

- /exec/configure/if-ethernet-all

switchport voice vlan

switchport voice vlan { <vlan-id-voice> | dot1p | untagged } | no switchport voice vlan

Syntax Description

no	Negate a command or set its defaults
switchport	Configure switchport parameters
voice	Set voice mode characteristics of the interface
vlan	Set VLAN for VoIP traffic
<i>vlan-id-voice</i>	VLAN ID of the VLAN configured for VoIP traffic
dot1p	Switch will send CDP packets to instruct IP phone to send voice traffic in 802.1p frames
untagged	Switch will send CDP packets to instruct IP phone to send voice traffic untagged

Command Mode

- /exec/configure/if-ethernet-switch /exec/configure/if-ethernet-p2p-switch /exec/configure/if-remote-ethernet-switch

switchto vdc

```
switchto vdc <e-vdc2> [ force ] [ bypass ] [ __readonly__ <vdc_id> <invalid_vdc_id> <noauth_vdc_id>
<no_first> ]
```

Syntax Description

switchto	Goto specific Virtual Device Context <vdc-name> <vdc-id>
vdc	Manage Virtual Device Context
<i>e-vdc2</i>	Enter Virtual Device Context <vdc-id>
<i>__readonly__</i>	(Optional) Read Only
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>invalid_vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>noauth_vdc_id</i>	(Optional) Enter Virtual Device Context <vdc-id>
<i>no_first</i>	(Optional) Enter Virtual Device Context <vdc-id>
bypass	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/

SWWN

[no] swwn <wwn0> [domain <i1>]

Syntax Description

no	(Optional) Negate a command or set its defaults
swwn	Switch WWN
<i>wwn0</i>	WWN of the Switch
domain	(Optional) Switch Insistent Domain Identifier
<i>i1</i>	(Optional) Domain-id of Switch

Command Mode

- /exec/configure/fabric-binding

sync-peers destination

sync-peers destination <dst-ip> [source <src-ip> | vrf <vrf-name>] + | no sync-peers destination [<dst-ip> [source <src-ip>]]

Syntax Description

no	Negate a command or set its defaults
sync-peers	Specify peers to whom configuration needs to be synced
destination	Specify destination ip address of peer switch
<i>dst-ip</i>	IPv4 address (A.B.C.D) of destination
source	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vrf-name</i>	(Optional) vrf to be used

Command Mode

- /exec/configure

sync duration

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

Syntax Description

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

Command Mode

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

sync duration range

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

Syntax Description

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

Command Mode

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

sync interval

[no] sync interval <intv>

Syntax Description

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

Command Mode

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

sync interval range

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

Syntax Description

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

Command Mode

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

system-mac

system-mac <sysmac> | no system-mac

Syntax Description

no	Negate a command or set its defaults
system-mac	Configure system mac address
<i>sysmac</i>	specify system mac address

Command Mode

- /exec/configure/vpc-domain

system-priority

system-priority <syspri> | no system-priority <syspri>

Syntax Description

no	Negate a command or set its defaults
system-priority	Configure system priority
<i>syspri</i>	specify system priority

Command Mode

- /exec/configure/vpc-domain

system

[no] system { default switchport { shutdown san | mode F | trunk mode1 { auto | off | on } } | delayed-traps { enable mode2 FX | timer <i0> } }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure default values for switchport attributes
shutdown	Configure admin state
san	SAN
mode	Enter the port mode
F	F system default port mode
trunk	Configure trunking parameters as a default
mode1	Configure trunking mode
auto	Autosense trunking
off	Disable trunking
on	Enable trunking
delayed-traps	Configure system delayed trap values
enable	Configure system delayed trap state
mode2	Configure system delayed trap state
FX	Configure system delayed trap state
timer	Configure system delayed trap timeout value
i0	Configure number of minutes

Command Mode

- /exec/configure

system acl-adjacency-sharing

system no acl-adjacency-sharing

Syntax Description

system	System management commands
no	Negate a command or set its defaults
acl-adjacency-sharing	disable acl adjacency sharing for zoning/fc-nat rules

Command Mode

- /exec

system acl-adjacency-sharing

system acl-adjacency-sharing

Syntax Description

system	System management commands
acl-adjacency-sharing	enable acl adjacency sharing for zoning/ivr/fc-nat rules

Command Mode

- /exec

system acl

[no] system acl

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
acl	ACL parameters

Command Mode

- /exec/configure

system auto-collect tech-support

system [no] auto-collect tech-support [timeout <time>]

Syntax Description

system	System management commands
no	(Optional) Negate a command or set its defaults
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset
timeout	(Optional) Collect tech-support timeout
<i>time</i>	(Optional) Timeout in seconds

Command Mode

- /exec

system cores

```
{ system cores { { <uri0> } | { <uri1> vrf <vrf-known-name> } } | no system cores [ { { <uri0> } | { <uri1>
vrf <vrf-known-name> } } ] }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
cores	Copy cores to destination
<i>uri0</i>	Select destination filesystem
<i>uri1</i>	Select destination filesystem
vrf	Enter the vrf name
<i>vrf-known-name</i>	VRF name

Command Mode

- /exec/configure

system default interface-vlan autostate

[no] system default interface-vlan autostate

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
interface-vlan	Configure interface-vlan
default	Configure system default values
autostate	Enable or disable autostate for entire system

Command Mode

- /exec/configure

system default interface

```
{ system default interface { congestion { timeout <i0> mode { core | edge } | mode { core | edge } } | pause
{ timeout <i1> mode1 { core | edge } | mode1 { core | edge } } } | no system default interface { congestion {
timeout <i0> mode { core | edge } | mode { core | edge } } | pause { timeout <i1> mode1 { core | edge } |
mode1 { core | edge } } } }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
interface	Configure system default interface values
congestion	Configure system timeout values for congestion drop
pause	Configure system timeout values for pause frame
timeout	Configure system timeout values
<i>i0</i>	Configure number of milliseconds
<i>i1</i>	Configure number of milliseconds
mode	Configure mode
mode1	Configure mode
core	Enter the port type
edge	Enter the port type

Command Mode

- /exec/configure

system default interface

```
{ system default interface { congestion { timeout <i0> mode { core | edge } | mode { core | edge } } | pause
{ timeout <i1> mode1 { core | edge } | mode1 { core | edge } } } | no system default interface { congestion {
timeout <i0> mode { core | edge } | mode { core | edge } } | pause { timeout <i1> mode1 { core | edge } |
mode1 { core | edge } } } }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
interface	Configure system default interface values
congestion	Configure system timeout values for congestion drop
pause	Configure system timeout values for pause frame
timeout	Configure system timeout values
<i>i0</i>	Configure number of milliseconds
<i>i1</i>	Configure number of milliseconds
mode	Configure mode
mode1	Configure mode
core	Enter the port type
edge	Enter the port type

Command Mode

- /exec/configure

system default link-fail laser-on

[no] system default link-fail laser-on

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
link-fail	Configure system default values for link-fail
laser-on	Configure system default values for link-fail laser-on

Command Mode

- /exec/configure

system default reset-dei

[no] system default reset-dei

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Information
default	Default
reset-dei	Reset dei bit

Command Mode

- /exec/configure

system default route-map validate-applied

{ [no] system default route-map validate-applied }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
route-map	Configure route-map parameters
validate-applied	Prevent deletion if route-map is still in use

Command Mode

- /exec/configure

system default switchport

{ [no] system default switchport }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport

Command Mode

- /exec/configure

system default switchport fabricpath

{ system default switchport fabricpath | no system default switchport fabricpath }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport
fabricpath	Configure default port mode as fabricpath

Command Mode

- /exec/configure

system default switchport shutdown

```
{ [ no ] system default switchport shutdown }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
switchport	Configure switchport
shutdown	Configure admin state

Command Mode

- /exec/configure

system default tx-credit double-queue

[no] system default tx-credit double-queue

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
tx-credit	Configure default values for tx credit queue type
double-queue	Configure tx credit queue as double queue

Command Mode

- /exec/configure

system default zone

[no] system default zone { default-zone permit | distribute full | gs { read | read-write } | mode enhanced | smart-zone enable }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
default	Configure system default values
zone	Configure default values for zone
default-zone	Configure default values for default-zone
permit	Default-zone permit/deny by default
distribute	Configure default values for zoneset distribute
full	Distribute full/active by default
gs	Configure default zone generic services permission
read	Default zone generic services permission as read
read-write	Default zone generic services permission as read-write
mode	Configure default values for zone-mode
enhanced	Default zone-mode basic/enhanced
smart-zone	Configure default values for smart-zone
enable	Default smart-zone enable/disable

Command Mode

- /exec/configure

system dot1q-tunnel transit

{ system dot1q-tunnel transit [vlan <vlan-range>] } | { [no] system dot1q-tunnel transit }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
dot1q-tunnel	Dot1Q tunnel
transit	Transit box for multi-tag Ethernet Frames
vlan	(Optional) vlan
<i>vlan-range</i>	(Optional) Provider VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

system fabric-mode full-rate

[no] system fabric-mode full-rate

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
fabric-mode	Configure the operating mode of the fabrics
full-rate	Operates fabrics in Full Rate Mode

Command Mode

- /exec/configure

system fast-reload stabilization-timer

{ system fast-reload stabilization-timer <time> | no system fast-reload stabilization-timer }

Syntax Description

no	Negate a command or set its defaults
system	System management commands
fast-reload	fast-reload software
stabilization-timer	Network stabilization time in seconds before fast-reload can be executed after the previous reload
<i>time</i>	time in secs

Command Mode

- /exec/configure

system flash sda resize

system flash sda resize [standard | extended] [force]

Syntax Description

system	System management command
flash	Resize flash device
sda	Apply changes to sda
resize	Resize persistent storage to new scheme
standard	(Optional) cfg=64MB, logflash=4 8GB
extended	(Optional) cfg=1GB, logflash=39GB
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

system hap-reset

system no hap-reset

Syntax Description

system	System management commands
no	Negate a command or set its defaults
hap-reset	enables resetting of local or remote sup on ha failures

Command Mode

- /exec

system hap-reset

system hap-reset

Syntax Description

system	System management commands
hap-reset	enables resetting of local or remote sup on ha failures

Command Mode

- /exec

system health check bootflash

system health check bootflash [fix-errors]

Syntax Description

system	System management commands
health	system health exec commands
check	run consistency check on compact flash
bootflash	check internal bootflash
fix-errors	(Optional) fix bootflash errors

Command Mode

- /exec

system heartbeat

system heartbeat

Syntax Description

system	System management commands
heartbeat	enables heartbeat

Command Mode

- /exec

system heartbeat

system no heartbeat

Syntax Description

system	System management commands
no	Negate a command or set its defaults
heartbeat	enables heartbeat

Command Mode

- /exec

system high-multicast-priority

[no] system high-multicast-priority

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
high-multicast-priority	high priority to multicast

Command Mode

- /exec/configure

system inband cpu-mac log threshold rx tx

```
{ { system inband cpu-mac log threshold { rx <rx_pps> tx <tx_pps> [ throttle <interval> ] } } | { no system inband cpu-mac log threshold } }
```

Syntax Description

no	Negate a command or set its defaults
system	system information
inband	Inband related information
cpu-mac	CPU-MACs related information
log	Log related information
threshold	Inband threshold
rx	Inband rx threshold
<i>rx_pps</i>	Inband rx pps threshold
tx	Inband tx threshold
<i>tx_pps</i>	Inband tx pps threshold
throttle	(Optional) Inband throttle
<i>interval</i>	(Optional) Inband throttle interval

Command Mode

- /exec/configure

system interface shutdown

[no] system interface shutdown [exclude fex-fabric]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
interface	Configure system interface config
shutdown	Configure interface shutdown
exclude	(Optional) exclude
fex-fabric	(Optional) fex-fabric

Command Mode

- /exec/configure

system jumbomtu

{ system jumbomtu <mtu> | no system jumbomtu [<mtu>] }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
jumbomtu	Configure system jumbomtu
<i>mtu</i>	Enter jumbomtu

Command Mode

- /exec/configure

system login block-for

[no] system login block-for

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
login	Enable secure login checking
block-for	Set quiet-mode active time period

Command Mode

- /exec/configure

system login block-for attempts within

system login block-for <i1> attempts <i2> within <i3>

Syntax Description

system	System configuration commands
login	Enable secure login checking
block-for	Set quiet-mode active time period
<i>i1</i>	Time period in seconds
attempts	Set max number of fail attempts
<i>i2</i>	Fail attempts max value
within	Watch period for fail attempts
<i>i3</i>	Time period in seconds

Command Mode

- /exec/configure

system login quiet-mode

[no] system login quiet-mode

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
login	Enable secure login checking
quiet-mode	Set quiet-mode options

Command Mode

- /exec/configure

system login quiet-mode access-class

system login quiet-mode access-class <access-list>

Syntax Description

system	System configuration commands
login	Enable secure login checking
quiet-mode	Set quiet-mode options
access-class	Set access class
<i>access-list</i>	Access-list name

Command Mode

- /exec/configure

system lpss monitor

[no] system lpss monitor

Syntax Description

no	(Optional) Negate a command or set its default
system	System management commands
lpss	Configure Light weight Persistent Storage configuration
monitor	Shared memory usage monitor

Command Mode

- /exec/configure

system memory-thresholds minor severe critical

[no] system memory-thresholds minor <minor> severe <severe> critical <crit>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
memory-thresholds	Set memory thresholds on the card
minor	enter minor threshold
<i>minor</i>	please enter minor memory threshold as % memory
severe	enter severe treshold
<i>severe</i>	please enter severe memory threshold as % memory
critical	enter critical treshold
<i>crit</i>	please enter critical memory threshold as % memory

Command Mode

- /exec/configure

system mld snooping

[no] system mld snooping

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
mld	IPv6 MLD Snooping
snooping	IPv6 MLD Snooping

Command Mode

- /exec/configure

system mode maintenance

[no] system mode maintenance [dont-generate-profile | shutdown] [non-interactive]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
dont-generate-profile	(Optional) do not generate the maintenance/normal-mode profile
shutdown	(Optional) issue shutdown instead of isolate (default)
non-interactive	(Optional) do operation non interactively in background

Command Mode

- /exec/configure

system mode maintenance always-use-custom-profile

[no] system mode maintenance always-use-custom-profile

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
always-use-custom-profile	always use custom profile when entering maintenance mode

Command Mode

- /exec/configure

system mode maintenance maint-delay

[no] system mode maintenance maint-delay <delay-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
maint-delay	delay to allow protocol reroute before releasing CLI
<i>delay-value</i>	delay value in seconds

Command Mode

- /exec/configure

system mode maintenance on-reload reset-reason

[no] system mode maintenance on-reload reset-reason <reason>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
on-reload	on reload maintenance mode configuration
reset-reason	reset reason
<i>reason</i>	

Command Mode

- /exec/configure

system mode maintenance snapshot-delay

[no] system mode maintenance snapshot-delay <delay-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
snapshot-delay	delay after which after_maintenance snapshot will be taken
<i>delay-value</i>	delay value in seconds

Command Mode

- /exec/configure

system mode maintenance timeout

[no] system mode maintenance timeout <timer-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
mode	system mode commands
maintenance	system maintenance mode
timeout	restart maintenance mode timer with a new value
<i>timer-value</i>	timer value in minutes

Command Mode

- /exec/configure

system modifications throttle

[no] system modifications { throttle | permit }

Syntax Description

no	(Optional) Negate a command or set its defaults
system	Controls what NXSDK is allowed to do to the system
modifications	Actions that change the state of the system
throttle	Throttle all write API calls
permit	Permit all write API calls

Command Mode

- /exec/configure/nxsdk-profile

system module failure-action shutdown

[no] system module failure-action shutdown

Syntax Description

no	(Optional) Negate a command or set its defaults
system	system Internal Information
module	module commands
failure-action	Configure module action on failure
shutdown	action on failure - shutdown

Command Mode

- /exec/configure

system module failure-action shutdown multibit-parity

[no] system module failure-action shutdown multibit-parity

Syntax Description

no	(Optional) Negate a command or set its defaults
system	system Internal Information
module	module commands
failure-action	Configure module action on failure
shutdown	action on failure - shutdown
multibit-parity	Shutdown module if two or more bits parity error is detected

Command Mode

- /exec/configure

system mrouting

[no] system mrouting [performance-mode | disable-2nd-update | disable-l2-update]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
mrouting	Layer-3 mrouting
performance-mode	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
disable-2nd-update	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
disable-l2-update	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

system multicast-priority

{ { no system multicast-priority } | { system multicast-priority <priority-num> } }

Syntax Description

no	Negate a command or set its defaults
system	System Management Commands
multicast-priority	Set priority to multicast
<i>priority-num</i>	Priority number

Command Mode

- /exec/configure

system multicast dcs-check

[no] system multicast dcs-check

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
multicast	IPv4 Multicast
dcs-check	IPv4 Directly Connected Source Check Enable

Command Mode

- /exec/configure

system multicast pvlan route-replication

[no] system multicast pvlan route-replication

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
multicast	IPv4 Multicast
pvlan	PVLAN
route-replication	Route replication

Command Mode

- /exec/configure

system nve ecmp-reuse

system nve ecmp-reuse | no system nve ecmp-reuse

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
ecmp-reuse	Enable ECMP reuse to scale

Command Mode

- /exec/configure

system nve infra-vlans

system nve infra-vlans <vlan-range> [force] | no system nve infra-vlans <vlan-range>

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
infra-vlans	Configure Vxlan SVI Uplinks(requires system reload)
<i>vlan-range</i>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19 (The range of vlans configured must not exceed 512)
force	(Optional) Force-set infra-vlans

Command Mode

- /exec/configure

system nve ingress-replication round-robin

[no] system nve ingress-replication round-robin

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
nve	VXLAN interface
ingress-replication	VXLAN Ingress replication
round-robin	Round-Robin hashing of underlay-paths for VXLAN ingress-replication peers

Command Mode

- /exec/configure

system nve ipmc global index-size

system nve ipmc global index-size { <size> | default } | no system nve ipmc global index-size [<size>]

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
ipmc	Configure ipmc index size
global	Configure global ipmc size
index-size	Configure index size
<i>size</i>	ipmc allowed size
default	Default size is 3000

Command Mode

- /exec/configure

system nve nat peer-ip

system nve nat peer-ip <peer-ip> | no system nve nat peer-ip <peer-ip>

Syntax Description

no	Negate the command or set its defaults
system	System Management Commands
nve	VXLAN interface
nat	Vrf aware nat related config
peer-ip	VXLAN peer IP
<i>peer-ip</i>	Configure the VXLAN peer IP

Command Mode

- /exec/configure

system pic-core

[no] system pic-core

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
pic-core	Manage pic enable/disable

Command Mode

- /exec/configure

system poap

system poap

Syntax Description

system	System management commands
poap	Re-enable POAP on every write erase+reload

Command Mode

- /exec

system poap

system no poap

Syntax Description

system	System management commands
no	Negate a command or set its defaults
poap	This will set a boot flag, that will allow disabling POAP permanently even when the system starts with no configuration

Command Mode

- /exec

system private-vlan fex trunk

[no] system private-vlan fex trunk

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
private-vlan	Configure Private VLANs
fex	Configure PVLANS on FEX Host Interface
trunk	Configure PVLANS on FEX Trunk Ports

Command Mode

- /exec/configure

system pss shrink

system pss shrink

Syntax Description

system	System management commands
pss	PSS commands
shrink	shrink pss files

Command Mode

- /exec

system qos

system qos

Syntax Description

system	System management commands
qos	QoS parameters

Command Mode

- /exec/configure

system routing l3-scale

[no] system routing l3-scale

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
l3-scale	enable l3 route scale

Command Mode

- /exec/configure

system routing unknown-unicast-flood

[no] system routing unknown-unicast-flood

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
unknown-unicast-flood	Hardware flood post-routed traffic on SVI if dest-mac->layer2-port binding unknown

Command Mode

- /exec/configure

system routing vrf-aware-nat

[no] system routing vrf-aware-nat

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
routing	Layer-3 routing
vrf-aware-nat	Enable vrf-aware-nat mode

Command Mode

- /exec/configure

system security compliance common-criteria

[no] system security compliance common-criteria

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
compliance	Compliant with the mode configured
common-criteria	Enable/Disable common-criteria mode

Command Mode

- /exec/configure

system security consent-token shell-access

[no] system security consent-token shell-access [<timeout>] [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
consent-token	Configure Consent Token
shell-access	Config Consent Token for shell-access
<i>timeout</i>	(Optional) Timeout value in minutes for shell-session
force	(Optional) Enable consent-token mode forcefully

Command Mode

- /exec/configure

system security sudo prompt-password

[no] system security sudo prompt-password

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management commands
security	Security Management commands
sudo	sudoers related commands
prompt-password	Prompt for password when sudo is used

Command Mode

- /exec/configure

system server session cmd-timeout

[no] system server session cmd-timeout <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management settings
server	Settings for services
session	Session parameters for connections
cmd-timeout	Maximum allowed time for commands to run
<i>i0</i>	Length of time, in seconds

Command Mode

- /exec/configure

system shutdown fan-direction mismatch

system shutdown fan-direction mismatch | no system shutdown fan-direction mismatch

Syntax Description

no	Negate a command or set its defaults
system	System management commands
shutdown	Shutdown management commands
fan-direction	Fan-direction check
mismatch	Mismatch in check

Command Mode

- /exec/configure

system simulate fan-presence

system simulate fan-presence | no system simulate fan-presence

Syntax Description

no	Negate a command or set its defaults
system	System management commands
simulate	Simulate Fan Presence
fan-presence	Simulate Fan Presence

Command Mode

- /exec/configure

system software allow third-party

[no] system software allow third-party

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System configuration commands
software	Configure RPM/Package
allow	Command to let do
third-party	Allow installation of signed/unsigned third party applications

Command Mode

- /exec/configure

system standby manual-boot

system standby manual-boot

Syntax Description

system	System management commands
standby	System standby management commands
manual-boot	No action taken to force-download standby sup

Command Mode

- /exec

system standby manual-boot

system no standby manual-boot

Syntax Description

system	System management commands
no	Negate a command or set its defaults
standby	System standby manual boot
manual-boot	No action taken to force-download standby sup

Command Mode

- /exec

system startup-config init

system startup-config init

Syntax Description

system	System management commands
startup-config	System startup-config commands
init	Initialize the startup-configuration

Command Mode

- /exec

system startup-config unlock

system startup-config unlock <i0>

Syntax Description

system	System management commands
startup-config	System startup-config commands
unlock	Unlock startup-config
<i>i0</i>	Startup-config lock id

Command Mode

- /exec

system statistics

system statistics

Syntax Description

system	System management commands
statistics	enables sysmgr statistics

Command Mode

- /exec

system statistics

system no statistics

Syntax Description

system	System management commands
no	Negate a command or set its defaults
statistics	disable the sysmgr statistics

Command Mode

- /exec

system storm-control multi-threshold

{ system storm-control multi-threshold | no system storm-control multi-threshold }

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
storm-control	Configure system storm-control
multi-threshold	Allow multiple storm-control thresholds

Command Mode

- /exec/configure

system storm-control priority-policy drop-l3

[no] system storm-control priority-policy drop-l3

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
storm-control	Configure system storm-control
priority-policy	priority policy relative to CoPP
drop-l3	Drop Layer3 control packets

Command Mode

- /exec/configure

system switch-mode

```
system switch-mode { <mode> }
```

Syntax Description

system	System management commands
switch-mode	change switch operational mode
<i>mode</i>	switch mode

Command Mode

- /exec/configure

system switchover

system switchover

Syntax Description

system	System management commands
switchover	Switch over to the standby supervisor

Command Mode

- /exec

system tech-support blocked-commands

system tech-support blocked-commands <s0>

Syntax Description

system	Show system information
tech-support	Exec command for tech-supports
blocked-commands	List of show commands for exclusion from show tech-support commands
<i>s0</i>	Name of the file in bootflash

Command Mode

- /exec

system timeout

```
{ system timeout { congestion-drop { <i0> mode <port_mode> | default mode <port_mode> } | no-credit-drop
{ <i1> mode1 <port_mode1> | default mode1 <port_mode1> } } | no system timeout no-credit-drop mode1
<port_mode1> }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
timeout	Configure system timeout values
congestion-drop	Configure system timeout values for congestion drop
<i>i0</i>	Configure number of milliseconds
default	Default timeout value for congestion-drop
mode	Enter the port mode
<i>port_mode</i>	Port mode
no-credit-drop	Configure system timeout values for no credit drop
<i>i1</i>	Configure number of milliseconds
default	Default timeout value for no-credit-drop
mode1	Enter the port mode
<i>port_mode1</i>	Port mode

Command Mode

- /exec/configure

system trace

```
{ system trace <i0> | no system trace [ <i0> ] }
```

Syntax Description

no	Negate a command or set its defaults
system	System configuration commands
trace	To configure system trace level
<i>i0</i>	Select the mask

Command Mode

- /exec/configure

system urpf disable

[no] system urpf disable

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System Management Commands
urpf	Manage urpf enable/disable
disable	disable

Command Mode

- /exec/configure

system vlan long-name

[no] system vlan long-name

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
vlan	Vlan commands
long-name	Configure 128 character VLAN names

Command Mode

- /exec/configure

system vlan nve-overlay id

[no] system vlan nve-overlay id [<vrange>] | system vlan nve-overlay id <vrange>

Syntax Description

no	Negate a command or set its defaults
system	System management commands
vlan	Vlan commands
nve-overlay	nve overlay vlan
id	VLAN ID
<i>vrange</i>	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec/configure

system vlan reserve

[no] system vlan <start-val> reserve

Syntax Description

no	(Optional) Negate a command or set its defaults
system	system wide configuration
vlan	Vlan commands
<i>start-val</i>	minimum VLANs value for allocation of 128
reserve	reservation

Command Mode

- /exec/configure

system vrf-member-change retain-l3-config

[no] system vrf-member-change retain-l3-config

Syntax Description

no	(Optional) Negate a command or set its defaults
system	System management commands
vrf-member-change	vrf member change
retain-l3-config	retain L3 configuration

Command Mode

- /exec/configure

system watchdog

system watchdog

Syntax Description

system	System management commands
watchdog	enables watchdog

Command Mode

- /exec

system watchdog

system no watchdog

Syntax Description

system	System management commands
no	Negate a command or set its defaults
watchdog	enables watchdog

Command Mode

- /exec

system watchdog kgdb

system no watchdog kgdb

Syntax Description

system	System management commands
no	Negate a command or set its defaults
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

Command Mode

- /exec

system watchdog kgdb

system watchdog kgdb

Syntax Description

system	System management commands
watchdog	enables watchdog
kgdb	enter kgdb on watchdog failure

Command Mode

- /exec