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packet-size

```
{ packet-size <packetsize> }
```

Syntax Description

packet-size	Packet
<i>packetsize</i>	Size

Command Mode

- /exec/configure/configngoamconnectcheck

param-list param-list

[no] param-list <plistname> [cross-check] | param-list <plistname>

Syntax Description

no	(Optional) Negate a command or set its defaults
param-list	Configure a parameter list
<i>plistname</i>	Enter the name of the parameter list
cross-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

parity

[no] parity <parity-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
parity	Set terminal parity
<i>parity-value</i>	terminal parity value

Command Mode

- /exec/configure/console

parity

[no] parity { even | none | odd }

Syntax Description

no	(Optional) Negate a command or set its defaults
parity	Set terminal parity
even	Even parity
none	No parity
odd	Odd parity

Command Mode

- /exec/configure/com1

passive-interface default

[no] passive-interface default

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

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

passive-interface default

[no] passive-interface default <level>

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress IS-IS PDU
default	Undo a command
<i>level</i>	IS-IS level

Command Mode

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

passive-interface default

[no] passive-interface default

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

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

passive-interface default

[no] passive-interface default

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

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

password

{ [no] password <passwd> }

Syntax Description

password	password
<i>passwd</i>	password

Command Mode

- /exec/configure/dot1x-cred

password

```
password [ vrf { <vrf-name> | <vrf-known-name> } ] { required [ req-for <req-pfx-list> ] | { fallback | option
<seq-num> opt-for <opt-pfx-list> } { key-chain <name> } } | no password [ vrf { <vrf-name> |
<vrf-known-name> } ] { required | fallback | option <seq-num> }
```

Syntax Description

no	Negate a command or set its defaults
password	Configure LDP password
vrf	(Optional) VRF Routing/Forwarding instance information
<i>vrf-name</i>	(Optional) VPN Routing/Forwarding instance name
<i>vrf-known-name</i>	(Optional) Known VRF name
required	Password is required for the peer
req-for	(Optional) Prefix list specifying control on LDP peers
<i>req-pfx-list</i>	(Optional) Prefix list for LDP peers
fallback	Specifies a fallback password will follow
option	LDP password option
<i>seq-num</i>	Sequence number of the LDP password option
opt-for	Prefix list specifying control on LDP peers
<i>opt-pfx-list</i>	Prefix list for LDP peers
key-chain	Specifies a key-chain name will follow
<i>name</i>	Key-chain name

Command Mode

- /exec/configure/ldp

password

password <password-string> | { no | default } password [<password-string>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
password	Configure a password for neighbor
<i>password-string</i>	Neighbor password

Command Mode

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

password prompt username

[no] password prompt username

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
prompt	Enable prompt for password
username	Enable prompt for password on username command

Command Mode

- /exec/configure

password secure-mode

[no] password secure-mode

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
secure-mode	Enable secure mode for changing password

Command Mode

- /exec/configure

password strength-check

[no] password strength-check

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
strength-check	Strength check of password

Command Mode

- /exec/configure

path-attribute discard in

[no | default] path-attribute { discard | treat-as-withdraw } { <ptype> | range <start> <end> } in

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
path-attribute	BGP path attribute optional filtering
discard	Discard matching path-attribute from this neighbor
treat-as-withdraw	Withdraw routes for matching path-attribute from this neighbor. This has higher priority than discard
range	path attribute range
in	Perform path attribute filtering on inbound updates
<i>ptype</i>	path attribute type
<i>start</i>	path attribute range start value
<i>end</i>	path attribute range end value

Command Mode

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

path

path { <dn> | environment |

Syntax Description

/	vxlan
/	vxlan
path	Create a sensor path
<i>dn</i>	Distinguished Name
environment	Monitor chassis information including fan,temperature,power,storage,supervisor,linecard

Command Mode

- /exec/configure/telemetry/sensor-group

path next-hop out-label-stack

```
{ no path <path-num> | path <path-num> next-hop <next-hop> out-label-stack { <static-outlabel> + |
implicit-null } }
```

Syntax Description

no	Negate a command or set its defaults
path	Configure an outgoing path for the LSP
<i>path-num</i>	Path identifier
next-hop	Nexthop
<i>next-hop</i>	Destination IPv4 next hop
out-label-stack	Series of output labels
<i>static-outlabel</i>	Label Value
implicit-null	IETF MPLS implicit null label (3)

Command Mode

- /exec/configure/mpls_static/ipv4/lsp/inlabel/forw

pathtrace

```
pathtrace { domain <i0> vsan <i1> [ reverse ] [ detail ] | fcid <fcid> vsan1 <i2> [ reverse1 ] [ detail1 ] }
```

Syntax Description

pathtrace	Trace the route statistics.
domain	Destination domain.
<i>i0</i>	Enter the destination domain ID
vsan	VSAN id
<i>i1</i>	The VSAN Number.
reverse	(Optional) Trace reverse path
detail	(Optional) Detailed statistics
fcid	FC-id of the destination N-Port
<i>fcid</i>	The FC-id
vsan1	vsan id of the destination N Port.
<i>i2</i>	The VSAN Number.
reverse1	(Optional) Trace reverse path
detail1	(Optional) Detailed statistics

Command Mode

- /exec

pathtrace

```
pathtrace { { nve [ mac <dmac> <dot1qid> [ <intfid> ] ] | srv6 } { [ ip ] [ <ipv6_addr> | <ipv4_host> | unknown
] [ vrf { <vrf-name> | <vrf-known-name> } ] [ profile <pid> ] [ payload { [ mac-addr <dstmac> <smac> ] [
dot1q <dot1q-id> ] [ ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> ] [ port <sport> <dport> ] [ proto <proto-id>
] [ src-intf <src_if> ] } payload-end ] } [ { [ sid <sid_addr> ] [ via { <sid_list_entry> } + sid-list-end ] [ end-otp
<otp> ] [ end-op <op> ] [ no-reduced-srh ] } ] [ [ { vni <vni-id> } ] [ { sport <sval> } ] ] [ source {
<src_if_ip_addr> | <src_if_ipv6_addr> } |
```

Syntax Description

pathtrace	Test
nve	Vxlan oam commands
ip	(Optional) ip address
mac	(Optional) MAC address
<i>dmac</i>	(Optional) Destination mac address
<i>dot1qid</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
<i>intfid</i>	(Optional) Name of the interface for ngoam traceroute on which dot1q is configured
srv6	Use the Segment Routed fabric for this ping
<i>ipv4_host</i>	(Optional) Ipv4 remote host address
unknown	(Optional) Find what to ping from payload info
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
profile	(Optional) NGOAM profile to use
<i>pid</i>	(Optional) NGOAM profile id
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
<i>dstmac</i>	(Optional) Destination mac address
<i>smac</i>	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
<i>dstip</i>	(Optional) Destination ipv4 address

<i>srcip</i>	(Optional) source ipv4 address
<i>ipv6</i>	(Optional) ipv6 address
<i>port</i>	(Optional) L4 port info
<i>sport</i>	(Optional) Source port
<i>dport</i>	(Optional) Destination port
<i>proto</i>	(Optional) Protocol
<i>proto-id</i>	(Optional) IANA Protocol id
<i>src-intf</i>	(Optional) Interface on which the host with src ip of the payload is connected
<i>src_if</i>	(Optional) Interface
<i>payload-end</i>	(Optional) End of payload info
<i>sid</i>	(Optional) Segment Identifier
<i>via</i>	(Optional) Specify the SID list for the packet to traverse through
<i>sid-list-end</i>	(Optional) Indicate end of sid list
<i>end-otp</i>	(Optional) Override default End.OTP SID
<i>end-op</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>no-reduced-srh</i>	(Optional) For srv6 pathtrace pkts, do not use a Reduced SRH
<i>vni</i>	(Optional) Vni for vxlan
<i>vni-id</i>	(Optional) Configure vni id
<i>sport</i>	(Optional) Outer UDP source port for vxlan
<i>sval</i>	(Optional) Udp source port range, max span 1024, Example: 2000-3000,400,500
<i>source</i>	(Optional) Source IP address to use
<i>src_if_ip_addr</i>	(Optional) IP address of local system

Command Mode

- /exec

pause

[no] pause { buffer-size <size-in-bytes> pause-threshold <xoff-bytes> resume-threshold <xon-bytes> }

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
buffer-size	Ingress buffer size in bytes
pause-threshold	Buffer limit for pausing in bytes
resume-threshold	Buffer limit at which to resume in bytes

Command Mode

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

pause buffer-size2 pause-threshold2 resume-threshold2

[no] pause buffer-size2 <size-in-bytes> pause-threshold2 <xoff-bytes> resume-threshold2 <xon-bytes>

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
buffer-size2	Ingress buffer size in bytes
pause-threshold2	Buffer limit for pausing in bytes
resume-threshold2	Buffer limit at which to resume in bytes

Command Mode

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

pause priority

[no] pause { priority-group <priority-group-number> }

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
priority-group	ingress priority-group to which the traffic is mapped and pause limits are applied
<i>priority-group-number</i>	Priority group value

Command Mode

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

payload

[no] payload

Syntax Description

no	(Optional) Negate a command or set its defaults
payload	Configure ngoam connectivity check payload

Command Mode

- /exec/configure/configngoamconnectcheck

pcc

[no] pcc

Syntax Description

no	(Optional) Negate a command or set its defaults
pcc	PCC related configuration

Command Mode

- /exec/configure/sr/te

pce-address ipv4

[no] pce-address ipv4 <ip-address> [precedence <precedence>]

Syntax Description

no	(Optional) Negate a command or set its defaults
pce-address	Configure the address of the PCE
ipv4	Configure v4 address of the PCE
precedence	(Optional) Precedence of the PCE
<i>ip-address</i>	PCE address
<i>precedence</i>	(Optional) Path-option preference

Command Mode

- /exec/configure/sr/te/pcc

pcep

[no] pcep

Syntax Description

no	(Optional) Negate a command or set its defaults
pcep	Dynamic path needs to be computed externally via PCEP

Command Mode

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

pcep

[no] pcep

Syntax Description

no	(Optional) Negate a command or set its defaults
pcep	Dynamic path needs to be computed externally via PCEP

Command Mode

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

pdop threshold

[no] pdop threshold <thres>

Syntax Description

no	(Optional) Negate a command or set its defaults
pdop	PDOP threshold configuration
threshold	PDOP threshold configuration
<i>thres</i>	PDOP threshold value

Command Mode

- /exec/configure/gnss-if

peer-gateway

peer-gateway [exclude-vlan <vlan-list>] | no peer-gateway

Syntax Description

no	Negate a command or set its defaults
peer-gateway	Enable L3 forwarding for packets destined to peer's gateway mac-address
exclude-vlan	(Optional) Specify VLANs to be excluded from peer-gateway functionality
<i>vlan-list</i>	(Optional) Specify the list of vlans

Command Mode

- /exec/configure/vpc-domain

peer-ip

[no] peer-ip { <addr> }

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-ip	Static IP Address Configuration
<i>addr</i>	Remote Peer IP Address

Command Mode

- /exec/configure/if-nve/vni/ingr-rep

peer-keepalive destination

```
peer-keepalive destination { <dst-ip> | <dst-ipv6> } [ [ source [ <src-ip> | <src-ipv6> ] | udp-port
<udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } |
tos-byte <tos-byte-value> | hold-timeout <hold-time-out> ] + [ [ source [ <src-ip> | <src-ipv6> ] | udp-port
<udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } |
tos { <tos-value> | min-delay | max-throughput | max-reliability | min-monetary-cost | normal } | hold-timeout
<hold-time-out> ] + [ [ source [ <src-ip> | <src-ipv6> ] | udp-port <udp-port-num> | vrf { <vrf-name> |
<vrf-known-name> } | { interval <interval-ms> timeout <time-out> } | precedence { <prec-vlaue> | network
| internet | critical | flash-override | flash | immediate | priority | routine } | hold-timeout <hold-time-out> ] +
]
```

Syntax Description

peer-keepalive	Keepalive/Hello with peer switch
destination	specify destination ip address of peer switch
<i>dst-ip</i>	IPv4 address (A.B.C.D) of destination
source	(Optional) source interface for hello
<i>src-ip</i>	(Optional) IPv4 address (A.B.C.D) of source
udp-port	(Optional) enter UDP port number used for hello
<i>udp-port-num</i>	(Optional) udp port number for hellos
vrf	(Optional) vrf to be used for hello messages
<i>vrf-name</i>	(Optional) vrf to be used for hellos
<i>vrf-known-name</i>	(Optional) Known VRF name
interval	(Optional) enter interval in milleseconds
<i>interval-ms</i>	(Optional) Enter interval in milleseconds
timeout	(Optional) enter timeout in seconds
<i>time-out</i>	(Optional) enter timeout in seconds
precedence	(Optional) Precedence
<i>prec-vlaue</i>	(Optional) Precedence value
network	(Optional) network (7)
internet	(Optional) internet (6)
critical	(Optional) critical (5)
flash-override	(Optional) flash-override (4)

flash	(Optional) flash (3)
immediate	(Optional) immediate (2)
priority	(Optional) priority (1)
routine	(Optional) routine (0)
tos	(Optional) Type of Service(IPV4)/Traffic Class(IPV6)
<i>tos-value</i>	(Optional) Enter 4-bit TOS value
min-delay	(Optional) min-delay (8)
max-throughput	(Optional) max-throughput (4)
max-reliability	(Optional) max-reliability (2)
min-monetary-cost	(Optional) min-monetary-cost (1)
normal	(Optional) normal (0)
tos-byte	(Optional) Type of Service Byte (IPv4)/Traffic Class Octet(IPv6)
<i>tos-byte-value</i>	(Optional) Enter 8-bit TOS value
hold-timeout	(Optional) hold timeout to ignore stale peer alive messages
<i>hold-time-out</i>	(Optional) Enter hold-timeout in seconds

Command Mode

- /exec/configure/vpc-domain

peer-switch

[no] peer-switch

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-switch	Enable peer switch on vPC pair switches

Command Mode

- /exec/configure/vpc-domain

peer-type fabric

peer-type { fabric-external | fabric-border-leaf } | { no | default } peer-type

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
peer-type	Neighbor facing
fabric-external	Fabric external
fabric-border-leaf	Fabric Border Leaf

Command Mode

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

peer-vtep

[no] peer-vtep <addr>

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-vtep	Configure tunnel End Point (deprecate)
<i>addr</i>	Remote VTEP IP Address

Command Mode

- /exec/configure/if-nve/vni

peer local service

[no] peer local service <service-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	Peer cli for sandwich mode failure notification
local	Peer involved in sandwich mode
service	Peer service involved in sandwich mode
<i>service-name</i>	Peer service name string

Command Mode

- /exec/configure/itd

per-ingress-port-mtu-mode

[no] per-ingress-port-mtu-mode

Syntax Description

no	(Optional) Negate the command
per-ingress-port-mtu-mode	per-ingress-port mtu mode

Command Mode

- /exec/configure handle auto 424

periodic-inventory notification

[no] periodic-inventory notification

Syntax Description

no	(Optional) Negate a command or set its defaults
periodic-inventory	Configure periodic software inventory message dispatch
notification	Enable periodic software inventory message dispatch

Command Mode

- /exec/configure/callhome

periodic-inventory notification interval

periodic-inventory notification { interval <i0> | timeofday <s0> }

Syntax Description

periodic-inventory	Configure periodic software inventory message dispatch
notification	Enable periodic software inventory message dispatch
interval	Configure the time period for periodic inventory
<i>i0</i>	Time period in days (default is 7 days)
timeofday	Configure the timeofday for periodic inventory in HH:MM format
<i>s0</i>	Time period in HH:MM format

Command Mode

- /exec/configure/callhome

periodic-probe-interval

[no] periodic-probe-interval <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
periodic-probe-interval	Configure Loop Detection Probe Interval, Unit:Second
<i>val</i>	Loop detection probe timer value in seconds

Command Mode

- /exec/configure/configngoamloopdetection

periodic to

{ [<seqno>] | no } periodic { { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday } +
| daily | weekdays | weekend } <stime> to <etime>

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
periodic	Periodic time and date
Monday	Monday
Tuesday	Tuesday
Wednesday	Wednesday
Thursday	Thursday
Friday	Friday
Saturday	Saturday
Sunday	Sunday
daily	Every day of the week
weekdays	Monday thru Friday
weekend	Saturday and Sunday
<i>stime</i>	Starting time
to	Ending day and time
<i>etime</i>	Ending time

Command Mode

- /exec/configure/timerange

periodic to

```
{ [ <seqno> ] | no } periodic { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday }
<stime> to { <eday> } <etime>
```

Syntax Description

<i>seqno</i>	(Optional) Sequence number
no	Negate a command or set its defaults
periodic	Periodic time and date
Monday	Monday
Tuesday	Tuesday
Wednesday	Wednesday
Thursday	Thursday
Friday	Friday
Saturday	Saturday
Sunday	Sunday
<i>eday</i>	Day of the week
<i>stime</i>	Starting time
to	Ending day and time
<i>etime</i>	Ending time

Command Mode

- /exec/configure/timerange

permit interface

[no] permit interface <if0>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to interfaces (applicable if interface policy is 'deny')
interface	Enter the range of interfaces accessible the role
<i>if0</i>	Enter the interface range

Command Mode

- /exec/configure/role/interface

permit vlan

[no] permit vlan <vlan-mrange>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vlans (applicable if vlan policy is 'deny')
vlan	Enter the range of vlans accessible the role
<i>vlan-mrange</i>	Enter the vlan range

Command Mode

- /exec/configure/role/vlan

permit vrf

[no] permit vrf <vrf-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vrf (applicable if vrf policy is 'deny')
vrf	Enter the range of vrf accessible the role
<i>vrf-name</i>	Enter the vrf name

Command Mode

- /exec/configure/role/vrf

permit vsan

[no] permit vsan <vsan-mrange>

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vsans (applicable if vsan policy is 'deny')
vsan	Enter the range of vsans accessible the role
<i>vsan-mrange</i>	Enter the vsan range

Command Mode

- /exec/configure/role/vsan

permitdeny

```
<seqno> <permitdeny> <mpls> { <label1_any> | { <label1> [ mask <label1_mask> ] } } [ <label2_any> | { <label2> [ mask <label2_mask> ] } ] [ <label3_any> | { <label3> [ mask <label3_mask> ] } ] [ <label4_any> | { <label4> [ mask <label4_mask> ] } ] { <mplsaction> <mplsactionid> } + [ load-share ]
```

Syntax Description

<i>seqno</i>	Sequence number
<i>permitdeny</i>	Permit/deny
<i>mask</i>	(Optional) mask
<i>label1</i>	mpls label one
<i>label2</i>	(Optional) mpls label two
<i>label3</i>	(Optional) mpls label three
<i>label4</i>	(Optional) mpls label four
<i>label1_mask</i>	(Optional) mpls label one mask
<i>label2_mask</i>	(Optional) mpls label two mask
<i>label3_mask</i>	(Optional) mpls label three mask
<i>label4_mask</i>	(Optional) mpls label four mask
<i>label1_any</i>	label one Any
<i>label2_any</i>	(Optional) label two Any
<i>label3_any</i>	(Optional) label three Any
<i>label4_any</i>	(Optional) label four Any
<i>mpls</i>	mpls keyword
<i>mplsaction</i>	mpls ACL Action
<i>mplsactionid</i>	redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> redirect_all: Ethernet1/1,port-channel1
<i>load-share</i>	(Optional) load share among the ports specified in redirect list

Command Mode

- /exec/configure/mplsacl

persist-disk

{ persist-disk <disksize-units> | no persist-disk [<disksize-units>] }

Syntax Description

no	Negate a command or set its defaults
persist-disk	IOX Application persistent data disk reservation MB units
<i>disksize-units</i>	IOX Application persistent disk size in MB

Command Mode

- /exec/configure/app-hosting-resource-profile-custom

personality

[no] personality

Syntax Description

no	(Optional) Negate a mode
personality	Config Personality

Command Mode

- /exec/configure

personality backup

```
personality backup { <uri_local> | <uri_remote> [ password <password> ] [ vrf <vrf-known-name> ] }
```

Syntax Description

personality	personality
backup	backup personality
password	(Optional) The password for personality backups
vrf	(Optional) The VRF for personality backups
<i>uri_local</i>	Personality backup local destination
<i>uri_remote</i>	Personality backup remote destination
<i>password</i>	(Optional) Password for SCP username
<i>vrf-known-name</i>	(Optional) VRF name

Command Mode

- /exec

personality restore

personality restore <uri> [user-name <user>] [password <password>] [hostname <hostname>] [vrf <vrf_name>]

Syntax Description

personality	Personality
restore	Restore the personality file
<i>uri</i>	Personality file
user-name	(Optional) The username for downloads
<i>user</i>	(Optional) The username
password	(Optional) The password for downloads
<i>password</i>	(Optional) The password
hostname	(Optional) The hostname for downloads
<i>hostname</i>	(Optional) The hostname
vrf	(Optional) The VRF for downloads
<i>vrf_name</i>	(Optional) The VRF name

Command Mode

- /exec

phone-contact

{ phone-contact <s0> | no phone-contact }

Syntax Description

no	Negate a command or set its defaults
phone-contact	Contact person's phone number
s0	Phone number in international format(such as +1-800-123-4567)

Command Mode

- /exec/configure/callhome

pim

[no] pim

Syntax Description

no	(Optional) Negate a command or set its defaults
pim	Policies for a Remote Receiver

Command Mode

- /exec/configure/nbm-host-policy

pim

[no] pim

Syntax Description

no	(Optional) Negate a command or set its defaults
pim	Policies for a Remote Receiver

Command Mode

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

ping

```
ping { { nve [ mac <dmac> <dot1qid> [ <intfid> ] ] | srv6 } { [ ip ] [ <ipv6_addr> | <ipv4_host> | unknown
] [ vrf { <vrf-name> | <vrf-known-name> } ] [ profile <pid> ] [ payload { [ mac-addr <dstmac> <smac> ] [
dot1q <dot1q-id> ] [ ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6> ] [ port <sport> <dport> ] [ proto <proto-id>
] [ src-intf <src_if> ] } payload-end ] } [ [ sid <sid_addr> ] [ via { <sid_list_entry> } + sid-list-end ] [ end-otp
<otp> ] [ end-op <op> ] [ no-proof-of-transit ] [ no-reduced-srh ] } ] [ [ { vni <vni-id> } ] [ { sport <sval> }
] ] [ source { <src_if_ip_addr> | <src_if_ipv6_addr> } ] |
```

Syntax Description

{	<count>
ping	Test
nve	Vxlan oam commands
ip	(Optional) ip address
mac	(Optional) MAC address
<i>dmac</i>	(Optional) Destination mac address
<i>dot1qid</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt
<i>intfid</i>	(Optional) Name of the interface for ngoam traceroute on which dot1q is configured
srv6	Use the Segment Routed fabric for this ping
<i>ipv4_host</i>	(Optional) Ipv4 remote host address
unknown	(Optional) Find what to ping from payload info
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
profile	(Optional) NGOAM profile to use
<i>pid</i>	(Optional) NGOAM profile id
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
<i>dstmac</i>	(Optional) Destination mac address
<i>smac</i>	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
<i>dot1q-id</i>	(Optional) Encapsulation dot1q/bd on which the mac is learnt

<i>dstip</i>	(Optional) Destination ipv4 address
<i>srcip</i>	(Optional) source ipv4 address
<i>ipv6</i>	(Optional) ipv6 address
<i>port</i>	(Optional) L4 port info
<i>sport</i>	(Optional) Source port
<i>dport</i>	(Optional) Destination port
<i>proto</i>	(Optional) Protocol
<i>proto-id</i>	(Optional) IANA Protocol id
<i>src-intf</i>	(Optional) Interface on which the host with src ip of the payload is connected
<i>src_if</i>	(Optional) Interface
<i>payload-end</i>	(Optional) End of payload info
<i>sid</i>	(Optional) Segment Identifier
<i>via</i>	(Optional) Specify the SID list for the packet to traverse through
<i>sid-list-end</i>	(Optional) Indicate end of sid list
<i>end-otp</i>	(Optional) Override default End.OTP SID
<i>end-op</i>	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>vni</i>	(Optional) Vni for vxlan
<i>vni-id</i>	(Optional) Configure vni id
<i>sport</i>	(Optional) Outer UDP source port for vxlan
<i>sval</i>	(Optional) Udp source port range, max span 1024, Example: 2000-3000,400,500
<i>source</i>	(Optional) Source IP address to use
<i>src_if_ip_addr</i>	(Optional) IP address of local system
<i>no-proof-of-transit</i>	(Optional) For srv6 ping pkts, disable proof of transit
<i>no-reduced-srh</i>	(Optional) For srv6 ping pkts, do not use a Reduced SRH

Command Mode

- /exec

ping6

```
ping6 { { <host> | <hostname> } | { multicast <group> } } [ [ { count { <count> | unlimited } } | { packet-size <packetsize> } ] | [ source { <host1> | <hostname> } ] | vrf { <vrf-name> | <vrf-known-name> } | timeout <timeout> | { interval <interval> } ] + | [ { count { <count> | unlimited } } | { packet-size <packetsize> } ] | { source-interface <src-intf> } | timeout <timeout> | { interval <interval> } ] + ]
```

Syntax Description

ping6	Test
count	(Optional) Number
<i>count</i>	(Optional) Number
unlimited	(Optional) unlimited
packet-size	(Optional) Packet
<i>packetsize</i>	(Optional) Size
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface
interval	(Optional) Wait
<i>interval</i>	(Optional) Interval
<i>hostname</i>	Enter
multicast	Multicast
vrf	(Optional) Display per-VRF information
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
source	(Optional) Source
timeout	(Optional) Specify
<i>timeout</i>	(Optional) Timeout

Command Mode

- /exec

ping

```
ping [ { { <alpha> | <numeric> [ loopback interface <interface> ] } | { multicast <group> interface <interface>
[ loopback ] } } [ [ source-interface <src-intf> | vrf { <vrf-name> | <vrf-known-name> } ] [ count { <count>
| unlimited } | packet-size <packetsize> | vrf { <vrf-name> | <vrf-known-name> } | interval <interval> | source
{ <alpha> | <numeric1> } | df-bit | timeout <timeout> } + [ count { <count> | unlimited } | packet-size
<packetsize> | source-interface <src-intf> | interval <interval> | df-bit | timeout <timeout> } + ] ]
```

Syntax Description

ping	Test
count	(Optional) Number
unlimited	(Optional) Unlimited
<i>count</i>	(Optional) Number
packet-size	(Optional) Packet
<i>packetsize</i>	(Optional) Size
source-interface	(Optional) Select source interface
<i>src-intf</i>	(Optional) Specify interface
interval	(Optional) Wait
<i>interval</i>	(Optional) Interval
<i>numeric</i>	(Optional) IP address of remote system
<i>numeric1</i>	(Optional) IP
<i>alpha</i>	(Optional) Enter
multicast	(Optional) Multicast
<i>group</i>	(Optional) Multicast
interface	(Optional) Interface
<i>interface</i>	(Optional) Interface
loopback	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
source	(Optional) Source
df-bit	(Optional) Enable
timeout	(Optional) Specify
<i>timeout</i>	(Optional) Timeout
vrf	(Optional) Display per-VRF information

<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name

Command Mode

- /exec

ping mpls

```
ping mpls { nil-fec { { labels <comma-separated-labels> } } output { ointerface <tx-interface> } nexthop
<nexthop-ip-addr> } | { policy { { name <srte-policy-name> } | { endpoint <srte-policy-endpoint> color
<srte-policy-color> } } [ { output { ointerface <tx-interface> } [ nexthop <nexthop-ip-addr> ] ] } } } [ {
repeat <count> } | { { size <size> } | { sweep <min-size> <max-size> <increment> } } | { timeout <seconds>
} | { interval <milliseconds> } | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> | <addr-incr> ] ]
} | { source <addr> } | { exp <exp-value> } | { pad <pattern> } | { ttl <ttl> } | { verbose } | { reply { { mode
{ <reply-mode-ipv4> | router-alert | control-channel | no-reply } } | { dscp { <dscp-bits> | af11 | af12 | af13 |
af21 | af22 | af23 | af31 | af32 | af33 | af41 | af42 | af43 | cs1 | cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } | {
pad-tlv } } } + | { force-explicit-null } | { dsmap [ hashkey { none | { hash-ipv4 { bitmap <bitmap-size> } }
} ] } | { flags { fec } } ] +
```

Syntax Description

ping	need
mpls	Test
nil-fec	Target
labels	A
<i>comma-separated-labels</i>	A
repeat	(Optional) Repeat
<i>count</i>	(Optional) Repeat
size	(Optional) Packet
<i>size</i>	(Optional) Datagram
sweep	(Optional) Sweep
<i>min-size</i>	(Optional)
<i>max-size</i>	(Optional)
<i>increment</i>	(Optional) Sweep
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
interval	(Optional) Send
<i>milliseconds</i>	(Optional) Send
destination	(Optional) Destination
<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination

<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
pad	(Optional) Pad
<i>pattern</i>	(Optional) Pad
ttl	(Optional) Time
<i>ttl</i>	(Optional) TTL
verbose	(Optional) verbose
reply	(Optional) Reply
mode	(Optional) Reply
reply-mode-ipv4	(Optional) Send
router-alert	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
control-channel	(Optional) Send
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match
af33	(Optional) Match
af41	(Optional) Match

af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
pad-tlv	(Optional) Reply
force-explicit-null	(Optional) Force
output	Output
ointerface	Echo
<i>tx-interface</i>	Echo
nexthop	Next
<i>nexthop-ip-addr</i>	Next
dsmap	(Optional) Request
hashkey	(Optional) Downstream
none	(Optional) Hash
hash-ipv4	(Optional) IPv4
bitmap	(Optional) Hash
<i>bitmap-size</i>	(Optional) Multipath
flags	(Optional) Flag
fec	(Optional) Request
policy	Derive
name	Specify
color	Specify

endpoint	Specify
<i>srte-policy-name</i>	The
<i>srte-policy-color</i>	The
<i>srte-policy-endpoint</i>	The

Command Mode

- /exec

ping mpls monitor session-id nil-fec labels output ointerface nexthop

ping mpls monitor session-id <id> nil-fec labels <comma-separated-labels> output ointerface <tx-interface> nexthop <nexthop-ip-addr> [interval <interval>] [multiplier <multiplier>] | no ping mpls monitor session-id <id>

Syntax Description

no	Negate a command or set its defaults
ping	need
mpls	Test
monitor	Start
session-id	Id
<i>id</i>	Id
nil-fec	Target
labels	A
<i>comma-separated-labels</i>	A
output	Output
ointerface	Echo
<i>tx-interface</i>	Echo
nexthop	Next
<i>nexthop-ip-addr</i>	Next
interval	(Optional) Interval
<i>interval</i>	(Optional) Interval
multiplier	(Optional) Number
<i>multiplier</i>	(Optional) Number

Command Mode

- /exec

ping sr-mpls

```
ping sr-mpls { <sr-ipv4-prefix> fec-type { { igp isis } | { bgp } | { generic } } } [ { repeat <count> } | { size
<size> } | { sweep <min-size> <max-size> <increment> } } | { timeout <seconds> } | { interval <milliseconds>
} | { destination <addr-start> [ <addr-end> [ <addr-incr-mask> | <addr-incr> ] ] } | { source <addr> } | { exp
<exp-value> } | { pad <pattern> } | { ttl <ttl> } | { verbose } | { reply { { mode { <reply-mode-ipv4> |
router-alert | control-channel | no-reply } } | { dscp { <dscp-bits> | af11 | af12 | af13 | af21 | af22 | af23 | af31
| af32 | af33 | af41 | af42 | af43 | cs1 | cs2 | cs3 | cs4 | cs5 | cs6 | cs7 | default | ef } } | { pad-tlv } } } + | {
force-explicit-null } | { dsmap [ hashkey { none | { hash-ipv4 { bitmap <bitmap-size> } } } ] } | { flags { fec
} } ] +
```

Syntax Description

ping	need
sr-mpls	Test
<i>sr-ipv4-prefix</i>	IP
fec-type	Type
igp	Kind
isis	ISIS
bgp	BGP
generic	Generic
repeat	(Optional) Repeat
<i>count</i>	(Optional) Repeat
size	(Optional) Packet
<i>size</i>	(Optional) Datagram
sweep	(Optional) Sweep
<i>min-size</i>	(Optional)
<i>max-size</i>	(Optional)
<i>increment</i>	(Optional) Sweep
timeout	(Optional) Timeout
<i>seconds</i>	(Optional) Timeout
interval	(Optional) Send
<i>milliseconds</i>	(Optional) Send
destination	(Optional) Destination

<i>addr-start</i>	(Optional) Destination
<i>addr-end</i>	(Optional) Destination
<i>addr-incr-mask</i>	(Optional) Destination
<i>addr-incr</i>	(Optional) Destination
source	(Optional) Source
<i>addr</i>	(Optional) Source
exp	(Optional) EXP
<i>exp-value</i>	(Optional) EXP
pad	(Optional) Pad
<i>pattern</i>	(Optional) Pad
ttl	(Optional) Time
<i>ttl</i>	(Optional) TTL
verbose	(Optional) verbose
reply	(Optional) Reply
mode	(Optional) Reply
reply-mode-ipv4	(Optional) Send
router-alert	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
control-channel	(Optional) Send
no-reply	(Optional) Send
dscp	(Optional) DSCP
<i>dscp-bits</i>	(Optional) Differentiated
af11	(Optional) Match
af12	(Optional) Match
af13	(Optional) Match
af21	(Optional) Match
af22	(Optional) Match
af23	(Optional) Match
af31	(Optional) Match
af32	(Optional) Match

af33	(Optional) Match
af41	(Optional) Match
af42	(Optional) Match
af43	(Optional) Match
cs1	(Optional) Match
cs2	(Optional) Match
cs3	(Optional) Match
cs4	(Optional) Match
cs5	(Optional) Match
cs6	(Optional) Match
cs7	(Optional) Match
default	(Optional) Match
ef	(Optional) Match
pad-tlv	(Optional) Reply
force-explicit-null	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
dsmap	(Optional) Request
hashkey	(Optional) Downstream
none	(Optional) Hash
hash-ipv4	(Optional) IPv4
bitmap	(Optional) Hash
<i>bitmap-size</i>	(Optional) Multipath
flags	(Optional) Flag
fec	(Optional) Request

Command Mode

- /exec

pki-trustpoint

```
{ [ no ] pki-trustpoint <name> }
```

Syntax Description

pki-trustpoint	Trustpoint to be used
<i>name</i>	name

Command Mode

- /exec/configure/eap-profile

platform insert module

```
[no] platform insert module <module_num> [ { { linecard { N9K-X9516v | N9K-X9532v | N9K-X9536v |
N9K-X9548v | N9K-X9564v | 8201-32FH | N9K-C9808-FM-A | N9K-C9804-FM-A | N9K-C93180YC-FX3S
| N9K-C93108TC-FX3P | N9K-C9364C-GX | N9K-C93600CD-GX | N9K-C9316D-GX | N9K-C9364D-GX2A
| N9K-C9348D-GX2A | N9K-C9332D-GX2B | N9K-C9332D-H2R | N9K-C9336D-HXB | N9K-C9364C-HXB
| N9K-X9836DM-A | N9K-X9836DM-B | N9K-C9232E-B1 | N9K-C9348GC-FX3 | N9K-C9348GC-FX3PH
} } } | { sup { eor | tor } } ]
```

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform specific commands
insert	Insert a module
module	insert a specific module
<i>module_num</i>	Please enter the module number
linecard	(Optional) Linecard module
N9K-X9516v	(Optional) Nexus 9000v 16 port Ethernet Module
N9K-X9532v	(Optional) Nexus 9000v 32 port Ethernet Module
N9K-X9536v	(Optional) Nexus 9000v 36 port Ethernet Module
N9K-X9548v	(Optional) Nexus 9000v 48 port Ethernet Module
N9K-X9564v	(Optional) Nexus 9000v 64 port Ethernet Module
N9K-C9316D-GX	(Optional) 16x400G/100G/40G QSFP-DD Ethernet Module
N9K-C9364D-GX2A	(Optional) 64x400G QSFP-DD + 2x10G SFP+ Ethernet Module
N9K-X9836DM-B	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9808-FM-A	(Optional) 8-slot Fabric Module
N9K-C9804-FM-A	(Optional) 4-slot Fabric Module
N9K-C9232E-B1	(Optional) 32x800G QSFPDD Ethernet Module
N9K-C93180YC-FX3S	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C93108TC-FX3P	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9332D-GX2B	(Optional) 32x400G QSFP-DD + 2x10G SFP+ Ethernet Module
N9K-C93600CD-GX	(Optional) 28x100/40G + 8x400G QSFP-DD Ethernet Module
N9K-C9348D-GX2A	(Optional) 48x400G QSFP-DD + 2x10G SFP+ Ethernet Module

N9K-C9364C-GX	(Optional) 64x100G/40G QSFP28 Ethernet Module
8201-32FH	(Optional) 32x400G QSFPDD Ethernet Module
N9K-X9836DM-A	(Optional) 36x400G QSFP56-DD Ethernet Module
N9K-C9332D-H2R	(Optional) 32x400G QSFP-DD + 2x10G SFP+ Ethernet Module
N9K-C9336D-HXB	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9364C-HXB	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9348GC-FX3	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
N9K-C9348GC-FX3PH	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
sup	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
eor	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
tor	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec

platform name vsan

[no] platform name <s0> vsan <i0>

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform Object Registration
name	Name of the Platform
<i>s0</i>	Platform name string
vsan	VSAN id of the platform
<i>i0</i>	VSAN number

Command Mode

- /exec/configure/fcs-register

platform proactive-cc forwarding

platform proactive-cc forwarding [incremental <timer-incremental>] [fulldb <timer-fulldb>] | no platform proactive-cc forwarding

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
proactive-cc	Proactive Consistency Checker
forwarding	Forwarding
incremental	(Optional) Configure Incremental timer value
<i>timer-incremental</i>	(Optional) Timer value in seconds
fulldb	(Optional) Configure Fulldb timer value
<i>timer-fulldb</i>	(Optional) Timer value in seconds

Command Mode

- /exec/configure

platform rate-limiter span-egress

{ platform | hardware } rate-limiter span-egress <rate> [module <module>] | no { platform | hardware } rate-limiter span-egress [<rate>] [module <module>]

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
rate-limiter	Configure Rate-Limiter for packets forwarded
span-egress	SPAN/ERSPAN egress packets
<i>rate</i>	value in kbit per sec
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number

Command Mode

- /exec/configure

platform vnic scheme sequential

platform vnic scheme { sequential | mac-encoded }

Syntax Description

platform	Platform specific commands
vnic	Virtual Network Interface Card
scheme	Virtual Network Interface Card allocation scheme
sequential	Sequential allocation of VNICs to linecard modules
mac-encoded	MAC address encoded allocation of VNICs to linecard modules

Command Mode

- /exec

pnp startup-vlan

pnp startup-vlan <vlan> | no pnp startup-vlan [<vlan>]

Syntax Description

no	disable pnp startup vlan configured. default value is vlan 1
pnp	plug and play
startup-vlan	PnP startup-vlan
<i>vlan</i>	PNP vlan id. Default vlan is 1

Command Mode

- /exec/configure

police

```
[no] police { { [ cir ] { <cir-val> [ bps | kbps | mbps | gbps ] | percent <cir-perc> } [ [ bc ] { <committed-burst>
[ bytes | kbytes | mbytes | ms | us ] } ] [ pir { <pir-val> [ bps2 | kbps2 | mbps2 | gbps2 | pps2 ] | percent <pir-perc>
} [ [ be ] { <extended-burst> [ bytes2 | kbytes2 | mbytes2 | ms2 | us2 | packets2 ] } ] ] [ conform { transmit |
set-prec-transmit { <prec-val> | <prec-enum> } | set-dscp-transmit { <dscp-val> | <dscp-enum> } |
set-cos-transmit <cos-val> | set-discard-class-transmit <disc-class-val> | set-qos-transmit <qos-grp-val> |
set-mpls-exp-imposition-transmit <exp-value-imp> | set-mpls-exp-topmost-transmit <exp-value-top> } [
exceed { drop1 | set <exc-frm-field> <exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1>
| <prec-enum1> } | set-dscp-transmit1 { <dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> |
set-discard-class-transmit1 <disc-class-val1> | set-qos-transmit1 <qos-grp-val1> |
set-mpls-exp-imposition-transmit1 <exp-value-imp1> | set-mpls-exp-topmost-transmit1 <exp-value-top1> }
] [ violate { drop2 | set <vio-frm-field> <vio-to-field> table2 pir-markdown-map | set-prec-transmit2 {
<prec-val2> | <prec-enum2> } | set-dscp-transmit2 { <dscp-val2> | <dscp-enum2> } | set-cos-transmit2
<cos-val2> | set-discard-class-transmit2 <disc-class-val2> | set-qos-transmit2 <qos-grp-val2> |
set-mpls-exp-imposition-transmit2 <exp-value-imp2> | set-mpls-exp-topmost-transmit2 <exp-value-top2> }
] ] } | aggregate <policer-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
police	police
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
<i>cir-perc</i>	Percentage
<i>pir-perc</i>	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second
gbps2	(Optional) Giga Bits per second

pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
<i>prec-val</i>	(Optional) Precedence value
<i>prec-val1</i>	(Optional) Precedence value
<i>prec-val2</i>	(Optional) Precedence value
<i>prec-enum</i>	(Optional)
<i>prec-enum1</i>	(Optional)
<i>prec-enum2</i>	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it

set-dscp-transmit2	(Optional) Set dscp and send it
<i>dscp-val</i>	(Optional) DSCP value
<i>dscp-val1</i>	(Optional) DSCP value
<i>dscp-val2</i>	(Optional) DSCP value
<i>dscp-enum</i>	(Optional)
<i>dscp-enum1</i>	(Optional)
<i>dscp-enum2</i>	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
<i>cos-val</i>	(Optional) new cos value
<i>cos-val1</i>	(Optional) new cos value
<i>cos-val2</i>	(Optional) new cos value
set-discard-class-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>disc-class-val</i>	(Optional) new discard-class value
<i>disc-class-val1</i>	(Optional) new discard-class value
<i>disc-class-val2</i>	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
<i>qos-grp-val</i>	(Optional) QoS group value
<i>qos-grp-val1</i>	(Optional) QoS group value
<i>qos-grp-val2</i>	(Optional) QoS group value
set-mpls-exp-imposition-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-imp</i>	(Optional) MPLS imposition value

<i>exp-value-imp1</i>	(Optional) MPLS imposition value
<i>exp-value-imp2</i>	(Optional) MPLS imposition value
set-mpls-exp-topmost-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-top</i>	(Optional) MPLS topmost value
<i>exp-value-top1</i>	(Optional) MPLS topmost value
<i>exp-value-top2</i>	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exc-frm-field</i>	(Optional)
<i>exc-to-field</i>	(Optional)
<i>vio-frm-field</i>	(Optional)
<i>vio-to-field</i>	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action
aggregate	Choose aggregate policer for current class
<i>policer-name</i>	Enter aggregate-policer name

Command Mode

- /exec/configure/policy-map/class

police

```
[no] police [ { { [ cir ] { <cir-val> [ <opt_kbps_mbps_gbps_pps_cir> ] | percent <cir-perc> } } { { [ bc ]
<bc-val> [ <opt_kbytes_mbytes_gbytes_bc> ] } } } { [ { pir { <pir> [ <opt_kbps_mbps_gbps_pps_pir> ] |
percent1 <pir-perc> } } [ { [ be ] <be-val> [ <opt_kbytes_mbytes_gbytes_be> ] } ] } } { { conform {
<opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> |
<opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } } [ { exceed {
<opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } } ] [ { violate {
<opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } } ] } } ] }
```

Syntax Description

no	Negate a command or set its defaults
police	Police
cir	(Optional) Specify committed information rate
<i>opt_kbps_mbps_gbps_pps_cir</i>	(Optional) Units
percent	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pir	(Optional) Specify peak information rate
<i>opt_kbps_mbps_gbps_pps_pir</i>	(Optional) Units
percent1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
be	(Optional) Specify extended burst
<i>opt_kbytes_mbytes_gbytes_be</i>	(Optional) Units
bc	(Optional) Specify committed burst
<i>opt_kbytes_mbytes_gbytes_bc</i>	(Optional) Units
conform	(Optional) Specify a conform action
<i>opt_drop_transmit_conform</i>	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
<i>set-cos-val</i>	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
<i>set-dscp-val</i>	(Optional) DSCP value
<i>opt_set_dscp</i>	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
<i>set-prec-val</i>	(Optional) IP Precedence value
<i>opt_set_prec</i>	(Optional)

exceed	(Optional) Specify a exceed action
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
<i>opt_drop_transmit_violate</i>	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map

Command Mode

- /exec/configure/pmap/class

police

```
[no] police [ { { [ cir ] { <cir-val> [ <opt_kbps_mbps_gbps_pps_cir> ] | percent <cir-perc> } } { { [ bc ]
<bc-val> [ <opt_kbytes_mbytes_gbytes_bc> ] } } } { [ { pir { <pir> [ <opt_kbps_mbps_gbps_pps_pir> ] |
percent1 <pir-perc> } } [ { [ be ] <be-val> [ <opt_kbytes_mbytes_gbytes_be> ] } ] } } { { conform {
<opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> |
<opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } } [ { exceed {
<opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } } ] [ { violate {
<opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } } } ] } ] }
```

Syntax Description

no	Negate a command or set its defaults
police	Police
cir	(Optional) Specify committed information rate
<i>opt_kbps_mbps_gbps_pps_cir</i>	(Optional) Units
percent	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pir	(Optional) Specify peak information rate
<i>opt_kbps_mbps_gbps_pps_pir</i>	(Optional) Units
percent1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
be	(Optional) Specify extended burst
<i>opt_kbytes_mbytes_gbytes_be</i>	(Optional) Units
bc	(Optional) Specify committed burst
<i>opt_kbytes_mbytes_gbytes_bc</i>	(Optional) Units
conform	(Optional) Specify a conform action
<i>opt_drop_transmit_conform</i>	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
<i>set-cos-val</i>	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
<i>set-dscp-val</i>	(Optional) DSCP value
<i>opt_set_dscp</i>	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
<i>set-prec-val</i>	(Optional) IP Precedence value
<i>opt_set_prec</i>	(Optional)

exceed	(Optional) Specify a exceed action
<i>opt_drop_transmit_exceed</i>	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
<i>opt_drop_transmit_violate</i>	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map

Command Mode

- /exec/configure/pmap/class

police

```
[no] police { { [ cir ] { <cir-val> [ bps | kbps | mbps | gbps | pps ] | percent <cir-perc> } [ [ bc ] {
<committed-burst> [ bytes | kbytes | mbytes | ms | us | packets ] } ] [ pir { <pir-val> [ bps2 | kbps2 | mbps2 |
gbps2 | pps2 ] | percent <pir-perc> } [ [ be ] { <extended-burst> [ bytes2 | kbytes2 | mbytes2 | ms2 | us2 |
packets2 ] } ] ] [ conform { transmit | set-prec-transmit { <prec-val> | <prec-enum> } | set-dscp-transmit {
<dscp-val> | <dscp-enum> } | set-cos-transmit <cos-val> | set-discard-class-transmit <disc-class-val> |
set-qos-transmit <qos-grp-val> | set-mpls-exp-imposition-transmit <exp-value-imp> |
set-mpls-exp-topmost-transmit <exp-value-top> } ] [ exceed { transmit1 | drop1 | set <exc-frm-field>
<exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1> | <prec-enum1> } | set-dscp-transmit1
{ <dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> | set-discard-class-transmit1 <disc-class-val1>
| set-qos-transmit1 <qos-grp-val1> | set-mpls-exp-imposition-transmit1 <exp-value-imp1> |
set-mpls-exp-topmost-transmit1 <exp-value-top1> } ] [ violate { drop2 | set <vio-frm-field> <vio-to-field>
table2 pir-markdown-map | set-prec-transmit2 { <prec-val2> | <prec-enum2> } | set-dscp-transmit2 {
<dscp-val2> | <dscp-enum2> } | set-cos-transmit2 <cos-val2> | set-discard-class-transmit2 <disc-class-val2>
| set-qos-transmit2 <qos-grp-val2> | set-mpls-exp-imposition-transmit2 <exp-value-imp2> |
set-mpls-exp-topmost-transmit2 <exp-value-top2> } ] } | aggregate <policer-name> }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
police	police
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
<i>cir-perc</i>	Percentage
<i>pir-perc</i>	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
pps	(Optional) Packets per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second

gbps2	(Optional) Giga Bits per second
pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
packets	(Optional) Packets
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
transmit1	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
<i>prec-val</i>	(Optional) Precedence value
<i>prec-val1</i>	(Optional) Precedence value
<i>prec-val2</i>	(Optional) Precedence value
<i>prec-enum</i>	(Optional)
<i>prec-enum1</i>	(Optional)

<i>prec-enum2</i>	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it
set-dscp-transmit2	(Optional) Set dscp and send it
<i>dscp-val</i>	(Optional) DSCP value
<i>dscp-val1</i>	(Optional) DSCP value
<i>dscp-val2</i>	(Optional) DSCP value
<i>dscp-enum</i>	(Optional)
<i>dscp-enum1</i>	(Optional)
<i>dscp-enum2</i>	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
<i>cos-val</i>	(Optional) new cos value
<i>cos-val1</i>	(Optional) new cos value
<i>cos-val2</i>	(Optional) new cos value
set-discard-class-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-discard-class-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>disc-class-val</i>	(Optional) new discard-class value
<i>disc-class-val1</i>	(Optional) new discard-class value
<i>disc-class-val2</i>	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
<i>qos-grp-val</i>	(Optional) QoS group value
<i>qos-grp-val1</i>	(Optional) QoS group value
<i>qos-grp-val2</i>	(Optional) QoS group value
set-mpls-exp-imposition-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

set-mpls-exp-imposition-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-imposition-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-imp</i>	(Optional) MPLS imposition value
<i>exp-value-imp1</i>	(Optional) MPLS imposition value
<i>exp-value-imp2</i>	(Optional) MPLS imposition value
set-mpls-exp-topmost-transmit	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
set-mpls-exp-topmost-transmit2	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exp-value-top</i>	(Optional) MPLS topmost value
<i>exp-value-top1</i>	(Optional) MPLS topmost value
<i>exp-value-top2</i>	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>exc-frn-field</i>	(Optional)
<i>exc-to-field</i>	(Optional)
<i>vio-frn-field</i>	(Optional)
<i>vio-to-field</i>	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action
aggregate	Choose aggregate policer for current class
<i>policer-name</i>	Enter aggregate-policer name

Command Mode

- /exec/configure/policy-map/class

policer

[no] policer

Syntax Description

no	(Optional) Negate a command or set its defaults
policer	Flow rate limiter installed in hardware

Command Mode

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

policer

[no] policer

Syntax Description

no	(Optional) Negate a command or set its defaults
policer	Flow rate limiter installed in hardware

Command Mode

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

policy-map

[no] policy-map [type qos] [match-first] <pmap-name-qos>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	(Optional) Specify the type of this policy-map
qos	(Optional) Qos policy
match-first	(Optional) Take the action for the first class that matches
<i>pmap-name-qos</i>	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy-map type control-plane

[no] policy-map type control-plane <pmap-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
control-plane	Control-Plane
<i>pmap-name</i>	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy-map type network-qos

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

Syntax Description

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

Command Mode

- /exec/configure

policy-map type queuing

[no] policy-map type queuing [match-first] <pmap-name-que>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
queuing	Queuing policy
match-first	(Optional) Take the action for the first class that matches
<i>pmap-name-que</i>	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy

[no] policy { <cfg-pol-name> | <unknown-pol-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	NBM Flow policy
<i>cfg-pol-name</i>	Policy name
<i>unknown-pol-name</i>	Policy name

Command Mode

- /exec/configure/nbm-flow-policy

policy

policy { { dynamic identity <device-id> } | { static sgt <sgt> [trusted] } } | no policy static | no policy dynamic

Syntax Description

policy	Enable and define policy to be applied
dynamic	apply to authorization server for policy
identity	specify identity of peer for authorization request
<i>device-id</i>	peer's device-id
static	configure static policy
sgt	SGT tag for pkts from this device
<i>sgt</i>	sgt value
trusted	(Optional) specify trust state of the link

Command Mode

- /exec/configure/cts-manual

policy

[no] policy <pol-name>

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	Identifying name for policy with max 64 characters
<i>pol-name</i>	Configure Policy name

Command Mode

- /exec/configure/sr/te

policy

[no] policy { <cfg-pol-name> | <unknown-pol-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	NBM Flow policy
<i>cfg-pol-name</i>	Policy name
<i>unknown-pol-name</i>	Policy name

Command Mode

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

pop

pop [<name>]

Syntax Description

pop	pop mode from stack or restore from name
<i>name</i>	(Optional) name

Command Mode

- /global

port-channel bfd destination

port-channel bfd destination <dest-ip> | no port-channel bfd destination [<dest-ip>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
bfd	BFD parameters
destination	Configure IP address of BFD peer
<i>dest-ip</i>	BFD peer IPv4 address

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel bfd start

port-channel bfd start <start-timer-value> | no port-channel bfd start [<start-timer-value>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
bfd	BFD parameters
start	Start timer timeout value
<i>start-timer-value</i>	BFD start timer timeout value in seconds (default off)

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel bfd track-member-link

port-channel bfd track-member-link | no port-channel bfd track-member-link

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
bfd	Enable BFD
track-member-link	Enable per-member-link BFD on the port-channel interface

Command Mode

- /exec/configure/if-eth-port-channel /exec/configure/if-eth-port-channel-p2p

port-channel fast-convergence

port-channel fast-convergence | no port-channel fast-convergence

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
fast-convergence	Enable/Disable port-channel fast convergence

Command Mode

- /exec/configure

port-channel hash-distribution

port-channel hash-distribution <type> | no port-channel hash-distribution [<type>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
hash-distribution	Configure port-channel hash-distribution
<i>type</i>	adaptive/fixed (default adaptive)

Command Mode

- /exec/configure/

port-channel limit

port-channel limit | no port-channel limit

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure the maximum number of supported vPCs
limit	limit to 244 vPCs

Command Mode

- /exec/configure/vpc-domain

port-channel load-balance

```
port-channel load-balance <bndl_hash> <bndl_sel> [ rotate <po-lb-rotate-range> ] [ concatenation ] [ module
<module> | fex all ] [ symmetric ] | no port-channel load-balance [ <bndl_hash> <bndl_sel> [ rotate
<po-lb-rotate-range> ] [ concatenation ] [ module <module> | fex all ] [ symmetric ] ]
```

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
<i>bndl_hash</i>	bundle hash
<i>bndl_sel</i>	bundle select
rotate	(Optional) offset the hash-input
<i>po-lb-rotate-range</i>	(Optional) offset the hash-input
concatenation	(Optional) enable/disable concatenation
module	(Optional) Specify a module number
<i>module</i>	(Optional) Specify a module number
fex	(Optional) FEX devices
all	(Optional) Permit all FEX to configure port-channel LB
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-balance1 ethernet

port-channel load-balance1 ethernet <algorithm> [symmetric] | no port-channel load-balance1 ethernet [<algorithm> [symmetric]]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance1	Configure port-channel load balance
ethernet	Ethernet port-channel
<i>algorithm</i>	Configure port-channel load balance
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-balance2 resilient

port-channel load-balance2 resilient | no port-channel load-balance2 resilient

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance2	Configure port-channel load balance
resilient	Configure port-channel load balance resilient mode

Command Mode

- /exec/configure

port-channel load-balance

```
port-channel load-balance <bndl_hash> <bndl_sel> <encap> [ <encap_type> ] [ rotate <po-lb-rotate-range>
] [ symmetric ] | no port-channel load-balance [ <bndl_hash> <bndl_sel> <encap> [ <encap_type> ] [ rotate
<po-lb-rotate-range> ] [ symmetric ] ]
```

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
<i>bndl_hash</i>	bundle hash
<i>bndl_sel</i>	bundle select
<i>encap</i>	encapsulation
<i>encap_type</i>	(Optional) mpls encapsulation type
rotate	(Optional) offset the hash-input
<i>po-lb-rotate-range</i>	(Optional) offset the hash-input
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-defer

port-channel load-defer <load-defer-timeout> | no port-channel load-defer [<load-defer-timeout>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-defer	Load defer time interval
<i>load-defer-timeout</i>	Load defer time interval in seconds (default 120 seconds)

Command Mode

- /exec/configure/

port-channel port hash-distribution

port-channel port hash-distribution <type> | no port-channel port hash-distribution [<type>]

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
port	Configure port-channel port hash-distribution
hash-distribution	Configure port-channel port hash-distribution
<i>type</i>	adaptive/fixed (default adaptive)

Command Mode

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

port-channel port load-defer

port-channel port load-defer | no port-channel port load-defer

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
port	Configure port-channel load-defer for member ports
load-defer	Configure port-channel load-defer

Command Mode

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

port-channel scale-fanout

port-channel scale-fanout | no port-channel scale-fanout

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
scale-fanout	Enable/disable port-channel scale-fanout when ports span more than 16 ASIC units

Command Mode

- /exec/configure

port-group

{ port-group <name> } | { no port-group <name> }

Syntax Description

no	Negate a command or set its defaults
port-group	ITD port group
<i>name</i>	ITD port group name

Command Mode

- /exec/configure/itd

port-license

[no] port-license [acquire]

Syntax Description

no	(Optional) Negate a command or set its defaults
port-license	Enable port activation license
acquire	(Optional) Acquire port activation license

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

port-license

[no] port-license [acquire]

Syntax Description

no	(Optional) Negate a command or set its defaults
port-license	Enable port activation license
acquire	(Optional) Acquire port activation license

Command Mode

- /exec/configure/if-fc /exec/configure/if-bay /exec/configure/if-ext

port-parameters

port-parameters

Syntax Description

port-parameters	Clock port configuration
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Command Mode

- /exec/configure/clock-if

port-profile

[no] port-profile [type <typeval>] { <profilename> | <s0> }

Syntax Description

no	(Optional) Negate a command or set its defaults
port-profile	Configure a port-profile
<i>profilename</i>	Enter the name of the profile
<i>s0</i>	Enter the name of the profile
type	(Optional) configure type of the profile
<i>typeval</i>	(Optional)

Command Mode

- /exec/configure

port-recovery-interval

[no] port-recovery-interval <val>

Syntax Description

no	(Optional) Negate a command or set its defaults
port-recovery-interval	Time interval to send recovery probes,Unit:Second
<i>val</i>	Port recovery interval value in seconds

Command Mode

- /exec/configure/configngoamloopdetection

port-type

[no] port-type <type>

Syntax Description

no	(Optional) Negate a command or set its defaults
port-type	Identifies port facing type
<i>type</i>	Facing port-type

Command Mode

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

port

{ { [no] port <i0> } | { no port } }

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Specify port on which local radius server listens
<i>i0</i>	Radius server port (default is 1700)

Command Mode

- /exec/configure/locsvr-da-radius

port

```
{ port <sport> <dport> }
```

Syntax Description

port	L4 port info
<i>sport</i>	Source port
<i>dport</i>	Destination port

Command Mode

- /exec/configure/configngoamccpayload

port

[no] port <port-value>

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Application port number server
<i>port-value</i>	port value

Command Mode

- /exec/configure/itd-dg-node

port

{ no port | port <value> }

Syntax Description

no	
port	Port on which to listen
<i>value</i>	Max port value

Command Mode

- /exec/configure/config-twamp-srvr

port destination

```
{ port { destination | source } <port> } | { no port { destination | source } }
```

Syntax Description

no	Negate a command or set its defaults
port	specify flow port address
source	specify flow source port address
destination	specify flow destination port address
<i>port</i>	port number

Command Mode

- /exec/configure/configngoamprofileflow

port type ethernet

```
[no] port <port-range> type { ethernet | fc [ breakout ] }
```

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Configure a port
<i>port-range</i>	Enter a port range
type	Configure a port type
ethernet	Ethernet Port
fc	FC Port
breakout	(Optional) Breakout Subtype

Command Mode

- /exec/configure/slot

port usb disable

[no] port usb disable

Syntax Description

no	(Optional) Negate a command
port	disable USB port(s)
usb	mount USB drive
disable	disables USB drive

Command Mode

- /exec/configure

postcard-telemetry exporter

[no] postcard-telemetry exporter <exportername>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
exporter	Define a events Exporter
<i>exportername</i>	Name of event Exporter

Command Mode

- /exec/configure/config-postcard

postcard-telemetry flow-profile

[no] postcard-telemetry flow-profile

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
flow-profile	Define a POSTCARD flow-profile

Command Mode

- /exec/configure/config-postcard

postcard-telemetry monitor

[no] postcard-telemetry monitor <monitorname>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
monitor	Define a POSTCARD Monitor
<i>monitorname</i>	Name of POSTCARD Monitor

Command Mode

- /exec/configure/config-postcard

postcard-telemetry queue-profile

[no] postcard-telemetry queue-profile [<queue_profilename> | queue-profile-default]

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
queue-profile	Define a POSTCARD queue_profile
<i>queue_profilename</i>	(Optional) Name of POSTCARD queue_profile
queue-profile-default	(Optional) Queue Profile Default Configuration

Command Mode

- /exec/configure/config-postcard

postcard-telemetry system monitor

[no] postcard-telemetry system monitor <monitorname>

Syntax Description

system	global config
postcard-telemetry	postcard global settings
monitor	postcard Monitor to be applied
<i>monitorname</i>	postcard Monitor to be applied

Command Mode

- /exec/configure/config-postcard

postcard-telemetry watchlist ip

[no] postcard-telemetry watchlist ip <watchlistname>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
watchlist	Define a POSTCARD watchlist
ip	Configure POSTCARD IP watchlist
<i>watchlistname</i>	Name of POSTCARD watchlist

Command Mode

- /exec/configure/config-postcard

power efficient-ethernet auto

[no] power efficient-ethernet auto

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure interface power settings
efficient-ethernet	Configure Energy Efficient Ethernet (EEE)
auto	Auto negotiate EEE

Command Mode

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

power efficient-ethernet sleep threshold aggressive

[no] power efficient-ethernet sleep threshold aggressive

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure interface power settings
efficient-ethernet	Configure Energy Efficient Ethernet (EEE)
sleep	EEE LPI sleep configuration
threshold	EEE LPI sleep threshold
aggressive	Enable/ Disable EEE LPI aggressive sleep mode

Command Mode

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

power inline

```
{ power inline { <port-mode-never> | <port-mode> [ max <wattage> ] } } | { no power inline { <port-mode-never> | <port-mode> } }
```

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
<i>port-mode-never</i>	configure POE port mode
<i>port-mode</i>	configure POE port mode
max	(Optional) Configure the max power per interface
<i>wattage</i>	(Optional) milli-watts

Command Mode

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

power inline default_consumption

{ power inline default_consumption <wattage> } | { no power inline default_consumption }

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
default_consumption	POE port default consumption
<i>wattage</i>	milli-watts

Command Mode

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

power inline police action

{ power inline police action <police-action> } | { no power inline police action }

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
police	Configure POE port police parameters
action	Configure action in port when power allocation exceeds
<i>police-action</i>	configure POE port action

Command Mode

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

power inline port priority

{ power inline port priority <port-priority> } | { no power inline port priority <port-priority> }

Syntax Description

no	Negate a command or set its defaults
power	Configure interface power settings
port	Configure POE port parameters
priority	Configure the priority for the port
<i>port-priority</i>	configure POE port priority

Command Mode

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

power redundancy-mode combined

[no] power redundancy-mode combined

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
combined	Configure power supply redundancy mode as combined

Command Mode

- /exec/configure

power redundancy-mode combined force

[no] power redundancy-mode combined force

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
combined	Configure power supply redundancy mode as combined
force	Force combined mode without prompting

Command Mode

- /exec/configure

power redundancy-mode insrc-redundant

[no] power redundancy-mode insrc-redundant

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
insrc-redundant	Configure power supply redundancy mode as grid/AC input source redundant

Command Mode

- /exec/configure

power redundancy-mode ps-redundant

[no] power redundancy-mode ps-redundant

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
ps-redundant	Configure power supply redundancy mode as PS redundant

Command Mode

- /exec/configure

power usage-history

[no] power usage-history

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power usage history
usage-history	power usage history

Command Mode

- /exec/configure

poweroff

[no] poweroff { module <lem-aware-module> | <s0> <santa-cruz-range> }

Syntax Description

no	(Optional) Negate a command or set its defaults
poweroff	Power off a module in the switch
module	enter a module number
<i>lem-aware-module</i>	please enter the module number
<i>s0</i>	Power off a specific xbar
<i>santa-cruz-range</i>	please enter the xbar number

Command Mode

- /exec/configure

precision milliseconds

{ { no | default } precision | precision { milliseconds | microseconds } }

Syntax Description

no	
<i>precision</i>	milliseconds
default	Set a command to its defaults
precision	Set precision of measurement
microseconds	Precision microseconds
milliseconds	Precision milliseconds

Command Mode

- /exec/configure/ip-sla/jitter

preempt

[no] preempt | preempt

Syntax Description

no	Negate a command or set its defaults
preempt	Enable preemption of lower priority Master

Command Mode

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

preempt

[no] preempt

Syntax Description

no	(Optional) Negate a command or set its defaults
preempt	Enable preemption of lower priority master

Command Mode

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

preempt delay minimum

[no] preempt delay | preempt delay minimum <secs>

Syntax Description

no	Negate a command or set its defaults
preempt	Enable preemption of lower priority Master
delay	Wait before preempting
minimum	Delay at least this long
<i>secs</i>	Seconds to delay

Command Mode

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

preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt
delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt
delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum preempt delay reload preempt delay sync preempt

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

preference

[no] preference <pref>

Syntax Description

no	(Optional) Negate a command or set its defaults
preference	Candidate path-option preference entry
<i>pref</i>	Path-option preference

Command Mode

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

preference

[no] preference <pref>

Syntax Description

no	(Optional) Negate a command or set its defaults
preference	Policy path-option preference entry
<i>pref</i>	Path-option preference

Command Mode

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

preference max

[no] preference max <pref-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>pref-val</i>	maximum value

Command Mode

- /exec/configure/config-dhcp-guard

preference min

[no] preference min <pref-val>

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>pref-val</i>	maximum value

Command Mode

- /exec/configure/config-dhcp-guard

prefix-priority high

[no] prefix-priority high

Syntax Description

no	(Optional) Negate a command or set its defaults
prefix-priority	Gives prefix priority to this address family routes
high	Set priority to high

Command Mode

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

prefix

[no] prefix <ipv6-prefix>

Syntax Description

no	(Optional) Negate a command or set its defaults
prefix	Configure the SRv6 locator as an IPv6 prefix

Command Mode

- /exec/configure/sr/srv6/locators/locator

prefix out

[no | default] { prefix-list <prfxlist-name> } { out | in }

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
prefix-list	Apply prefix-list
<i>prfxlist-name</i>	Name of prefix-list
out	Apply policy to outgoing routes
in	Apply policy to incoming routes

Command Mode

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

prepend-pkg-opts

[no] prepend-pkg-opts

Syntax Description

no	(Optional) Negate a command or set its defaults
prepend-pkg-opts	Prepend docker package runtime options

Command Mode

- /exec/configure/app-hosting-docker

priority-flow-control auto-restore multiplier

[no] priority-flow-control auto-restore multiplier { <val> }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
auto-restore	auto restore
multiplier	Auto restore multiplier
<i>val</i>	Auto multiplier value

Command Mode

- /exec/configure

priority-flow-control fixed-restore multiplier

[no] priority-flow-control fixed-restore multiplier { <val> }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
fixed-restore	fixed restore
multiplier	Fixed restore multiplier
<i>val</i>	Fixed multiplier value

Command Mode

- /exec/configure

priority-flow-control mode

[no] priority-flow-control mode { auto | on [send-tlv] | off } [force]

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Enable/Disable PFC
mode	PFC Mode
auto	Set Auto Mode
on	Force PFC to On
off	Force PFC to Off
force	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
send-tlv	(Optional) Send DCBX TLV for PFC config

Command Mode

- /exec/configure/if-switching /exec/configure/if-routing /exec/configure/if-port-channel /exec/configure/if-port-channel-sub

priority-flow-control override-interface mode off

[no] priority-flow-control override-interface mode off

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Global priority-flow-control settings
override-interface	Overrides interface priority-flow-control mode
mode	Priority-flow-control mode
off	Off

Command Mode

- /exec/configure

priority-flow-control recover interface

priority-flow-control recover interface <if_list> [qos-group <qgrp-num>] [module <module_idx>] [instance <inst>]

Syntax Description

priority-flow-control	Change PFC settings
recover	Recover PFC queue from stuck state
interface	Interface
<i>if_list</i>	List of interfaces
qos-group	(Optional) No-drop class to be recovered
<i>qgrp-num</i>	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
<i>module_idx</i>	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
<i>inst</i>	(Optional) ASIC Instance Number in Decimal

Command Mode

- /exec

priority-flow-control tah-recover interface

priority-flow-control tah-recover interface <if_list> [qos-group <qos>] [module <module>]

Syntax Description

priority-flow-control	Change PFC settings
tah-recover	Recover PFC queue from stuck state
interface	Interface
<i>if_list</i>	List of interfaces
qos-group	(Optional) No-drop class to be recovered
<i>qos</i>	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number

Command Mode

- /exec

priority-flow-control watch-dog-interval on

[no] priority-flow-control watch-dog-interval { on | off }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	Enable/Disable PFC
watch-dog-interval	Watch dog interval
on	Enable PFC watch-dog interval globally
off	Disable PFC watch-dog interval globally

Command Mode

- /exec/configure

priority-flow-control watch-dog-interval on

[no] priority-flow-control watch-dog-interval { on [disable-action] [interface-multiplier <multiplier-val>] | off }

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Enable/Disable PFC
watch-dog-interval	Watch dog interval
on	PFC watch-dog interval to On
disable-action	(Optional) Only generate syslog for stuck queue, no action
interface-multiplier	(Optional) Shutdown multiplier value
<i>multiplier-val</i>	(Optional) Shutdown mutlipler value
off	PFC watch-dog interval to Off

Command Mode

- /exec/configure/if-switching /exec/configure/if-routing /exec/configure/if-port-channel /exec/configure/if-port-channel-sub

priority-flow-control watch-dog forced on

[no] priority-flow-control watch-dog forced { on | off }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfm related commands
watch-dog	watch dog interval
forced	Force enable watch-dog behaviour globally
on	Enable PFC watch-dog globally
off	Disable PFC watch-dog globally

Command Mode

- /exec/configure

priority-flow-control watch-dog interval

[no] priority-flow-control watch-dog interval <interval-val>

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
interval	Poll interval
<i>interval-val</i>	Watch dog interval value in ms

Command Mode

- /exec/configure

priority-flow-control watch-dog shutdown-multiplier

[no] priority-flow-control watch-dog shutdown-multiplier { <val> }

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfm related commands
watch-dog	watch dog interval
shutdown-multiplier	Shutdown multiplier
<i>val</i>	Shutdown multiplier

Command Mode

- /exec/configure

priority

[no] priority [level <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Configure traffic class priority
level	(Optional) Specify level of priority
<i>value</i>	(Optional) Value of level, lower the number higher the priority

Command Mode

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

priority2

[no] priority2 [level2 <value>]

Syntax Description

no	(Optional) Negate a command or set its defaults
priority2	Configure traffic class priority
level2	(Optional) Specify level of priority
<i>value</i>	(Optional) Strict-priority level (1=hi 2=med 3=lo)

Command Mode

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

priority

```
{ priority <priority_value> [ forwarding-threshold lower <lower-value> upper <upper-value> ] | no priority
[ forwarding-threshold ] }
```

Syntax Description

no	Negate a command or set its defaults
priority	Configure the vr priority
<i>priority_value</i>	Configure the vr priority
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
<i>lower-value</i>	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
<i>upper-value</i>	(Optional) Upper threshold value

Command Mode

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

priority

priority <priority> [forwarding-threshold lower <lower-value> upper <upper-value>] | no priority [forwarding-threshold]

Syntax Description

no	Negate a command or set its defaults
priority	Priority level
<i>priority</i>	Priority value
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
<i>lower-value</i>	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
<i>upper-value</i>	(Optional) Upper threshold value

Command Mode

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

priority

priority <value> | no priority

Syntax Description

no	Negate a command or set its defaults
priority	Configure Bundle priority
<i>value</i>	Priority value

Command Mode

- /exec/configure/anycast

priority

[no] priority | priority <val>

Syntax Description

no	Negate a command or set its defaults
priority	Priority of this VRRP group
<i>val</i>	Priority level

Command Mode

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

priority

[no] priority <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Source priority
<i>value</i>	priority value, 1 (highest) 100 (default) 254 (lowest)

Command Mode

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

priority

[no] priority <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Source priority
<i>value</i>	priority value, 1 (highest) 100 (default) 254 (lowest)

Command Mode

- /exec/configure/clock-if/fsync

priority

[no] priority <value>

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Source priority
<i>value</i>	priority value, 1 (highest) 100 (default) 254 (lowest)

Command Mode

- /exec/configure/gnss-if/fsync

priority critical

{ priority critical | no priority [critical] }

Syntax Description

no	Negate a command or set its defaults
priority	Group priority
critical	Critical Priority (Highest)

Command Mode

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

priority critical

{ priority critical | no priority [critical] }

Syntax Description

no	Negate a command or set its defaults
priority	Group priority
critical	Critical Priority (Highest)

Command Mode

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

private-vlan

[no] private-vlan <pvlan-type>

Syntax Description

no	(Optional) Negate a command or set its defaults
private-vlan	Configure a private VLAN
<i>pvlan-type</i>	PVLAN Type

Command Mode

- /exec/configure/vlan

private-vlan association

```
{ private-vlan association [ { add | remove } ] <secondary_vlans> } | { no private-vlan association [ <secondary_vlans> ] }
```

Syntax Description

private-vlan	Configure a private VLAN
association	Add association between private VLANs
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>secondary_vlans</i>	VLAN IDs of the private VLANs to be configured

Command Mode

- /exec/configure/vlan

private-vlan mapping

```
{ private-vlan mapping [ { add | remove } ] <secondary_vlans> } | { no private-vlan mapping [ <secondary_vlans> ] }
```

Syntax Description

private-vlan	Configure a private VLAN
mapping	Set the private VLAN interface mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
<i>secondary_vlans</i>	Secondary VLAN IDs of the private VLAN interface mapping

Command Mode

- /exec/configure/if-vlan

private-vlan synchronize

private-vlan synchronize

Syntax Description

private-vlan	Set private-vlan synchronization
synchronize	Synchronize vlans

Command Mode

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

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> |
 retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-icmp</i>	Service mode
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe

```
[no] probe { icmp | <l4-proto> <port-num> [ control <status> ] | http get [ <url-name> ] | dns host <host-name>
| ctp } [ frequency <freq-num> | timeout <timeout> | retry-down-count <down-count> | retry-up-count
<up-count> | source-interface <src-intf> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
icmp	icmp probe
<i>l4-proto</i>	tcp/udp probes
<i>port-num</i>	Port number
control	(Optional) Control protocol
<i>status</i>	(Optional) Control protocol status
http	http-get probe
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
dns	dns probe
host	DNS host
<i>host-name</i>	DNS Target IP Address or Hostname
ctp	ctp probe
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>down-count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
source-interface	(Optional) Source interface for probe

<i>src-intf</i>	(Optional) Source loopback interface
-----------------	--------------------------------------

Command Mode

- /exec/configure/epbr/svc /exec/configure/epbr/fwd-svc /exec/configure/epbr/reverse-svc

probe

```
[no] probe { icmp | <l4-proto> <port-num> [ control <status> ] | http get [ <url-name> ] | dns host <host-name>
| ctp } [ frequency <freq-num> | timeout <timeout> | retry-down-count <down-count> | retry-up-count
<up-count> | source-interface <src-intf> ] +
```

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
icmp	icmp probe
<i>l4-proto</i>	tcp/udp probes
<i>port-num</i>	Port number
control	(Optional) Control protocol
<i>status</i>	(Optional) Control protocol status
http	http-get probe
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
dns	dns probe
host	DNS host
<i>host-name</i>	DNS Target IP Address or Hostname
ctp	ctp probe
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>down-count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
source-interface	(Optional) Source interface for probe

<i>src-intf</i>	(Optional) Source loopback interface
-----------------	--------------------------------------

Command Mode

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

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-icmp</i>	Service mode
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-icmp</i>	Service mode
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

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

probe get

[no] probe <probe-id-http> get [<url-name> | cache | frequency <freq-num> | timeout <timeout> |
 retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-http</i>	Service mode
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
cache	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe get

[no] probe <probe-id-http> get [<url-name> | cache | frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-http</i>	Service mode
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
cache	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

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

probe get

[no] probe <probe-id-http> get [<url-name> | cache | frequency <freq-num> | timeout <timeout> |
 retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-http</i>	Service mode
get	Host name/Target address
<i>url-name</i>	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
cache	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-dns</i>	Service mode
host	Host name/Target address
<i>host-name</i>	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

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

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-dns</i>	Service mode
host	Host name/Target address
<i>host-name</i>	DNS Target IP Address or Hostname
frequency	(Optional) Frequency
<i>freq-num</i>	(Optional) Frequency
timeout	(Optional) Timeout
<i>timeout</i>	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id-dns</i>	Service mode
host	Host name/Target address
<i>host-name</i>	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id</i>	Service mode
port	Port
<i>port-num</i>	Port number
control	(Optional) control protocol
<i>status</i>	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

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

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id</i>	Service mode
port	Port
<i>port-num</i>	Port number
control	(Optional) control protocol
<i>status</i>	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count
ip	(Optional) ip address for probe
<i>ip-addr</i>	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
<i>probe-id</i>	Service mode
port	Port
<i>port-num</i>	Port number
control	(Optional) control protocol
<i>status</i>	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
<i>freq-num</i>	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
<i>timeout</i>	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
<i>count</i>	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
<i>up-count</i>	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/epbr /exec/configure/epbr/fwd-svc /exec/configure/epbr/reverse-svc

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	Probe for service health-checks
track	track id
<i>track-id</i>	track id

Command Mode

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

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/itd-session-dg-node

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
track	track id
<i>track-id</i>	track id

Command Mode

- /exec/configure/itd-dg-node

probe track

[no] probe track <track-id>

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
track	track id
<i>track-id</i>	track id

Command Mode

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

profile

[no] profile <profilename>

Syntax Description

profile	Specify the profile to be applied
<i>profilename</i>	profile name to be applied

Command Mode

- /exec/configure/analytics/system

profile

{ profile <pid> | no profile }

Syntax Description

no	Negate a command or set its defaults
profile	NGOAM profile to use
<i>pid</i>	NGOAM profile id

Command Mode

- /exec/configure/configngoamconnectcheck

profile

[no] profile <profile-name>

Syntax Description

no	(Optional) Negate the command
profile	Packet Drop Profile
<i>profile-name</i>	Profile name

Command Mode

- /exec/configure/pkt-drop

profile

[no] profile <profilename>

Syntax Description

profile	Specify the profile to be applied
<i>profilename</i>	profile name to be applied

Command Mode

- /exec/configure/nfm-system

propagate-sgt

[no] propagate-sgt

Syntax Description

propagate-sgt	Enable SGT propagation from this port (the default use the no form to disable)
---------------	--

Command Mode

- /exec/configure/cts-dot1x /exec/configure/cts-manual

protected

[no] { protected | unprotected }

Syntax Description

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

Command Mode

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

protected

[no] { protected | unprotected }

Syntax Description

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

Command Mode

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

proto

{ proto <proto-id> }

Syntax Description

proto	Protocol
<i>proto-id</i>	IANA Protocol id

Command Mode

- /exec/configure/configngoamccpayload

protocol

[no] protocol <proto> [prefix-list <pflist-name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
<i>proto</i>	
<i>pflist-name</i>	(Optional) Name of the prefix-list to be matched

Command Mode

- /exec/configure/config-snoop-policy

protocol

{ protocol <num> } | { no protocol }

Syntax Description

no	Negate a command or set its defaults
protocol	specify flow protocol number
<i>num</i>	flow protocol number

Command Mode

- /exec/configure/configngoamprofileflow

proxy

[no] proxy <proxy-server> [port <proxy-port>] [username <proxy-username>

Syntax Description

no	(Optional) Negate a command or set its defaults
proxy	Set proxy server, ipv4/ipv6/hostname
port	(Optional) Set proxy server port
username	(Optional) Set proxy authentication username
<i>proxy-server</i>	IPv4 or IPv6 address or DNS name of proxy server
<i>proxy-port</i>	(Optional) Proxy port number
<i>proxy-username</i>	(Optional) Proxy username

Command Mode

- /exec/configure/telemetry/destination-group/host

ptp

[no] ptp

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem

Command Mode

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

ptp acl-redirect

[no] ptp acl-redirect

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
acl-redirect	ACL based ptp forwarding

Command Mode

- /exec/configure

ptp announce interval

```
[no] ptp announce interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds>
}
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
interval	interval
<i>log-seconds</i>	log seconds
smpte-2059-2	SMPTE-2059-2
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
aes67	AES67-2015
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

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

ptp announce interval

```
[no] ptp announce interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds>
}
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
interval	interval
<i>log-seconds</i>	log seconds
smpte-2059-2	SMPTE-2059-2
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
aes67	AES67-2015
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

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

ptp announce timeout

[no] ptp announce timeout { <val> | smpte-2059-2 <smpte-val> | aes67 <aes-val> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
timeout	timeout
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>val</i>	
<i>smpte-val</i>	SMPTE-2059-2 <i>val</i>
<i>aes-val</i>	AES67-2015 <i>val</i>

Command Mode

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

ptp asymmetric-delay forward

[no] ptp asymmetric-delay { forward-path | reverse-path } <delay-value> | no ptp asymmetric-delay

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
asymmetric-delay	configuration to compensate asymmetric delay
forward-path	asymmetric delay direction from master to slave
reverse-path	asymmetric delay direction from slave to master
<i>delay-value</i>	compensation time for asymmetric delay [1 - 512000000 ns]

Command Mode

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

ptp clock-identity

ptp clock-identity <mac-address> | no ptp clock-identity

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock-identity	clock-identity
<i>mac-address</i>	Mac Address

Command Mode

- /exec/configure

ptp clock-sync auto

[no] ptp clock-sync auto

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock-sync	clock-sync
auto	auto adjust frequency

Command Mode

- /exec/configure

ptp clock periodic-update

[no] ptp clock periodic-update [interval <val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Enable updating system time to 1588 time.
periodic-update	Enable clock update periodically.
interval	(Optional) interval
<i>val</i>	(Optional) system time update frequency in seconds.

Command Mode

- /exec/configure

ptp convergence-time

[no] ptp convergence-time [<val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
convergence-time	Convergence time for Grandmaster capable node
<i>val</i>	(Optional) convergence-time

Command Mode

- /exec/configure

ptp correction-range

[no] ptp correction-range <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
correction-range	set correction range threshold value
<i>threshold-value</i>	correction threshold (ns) [-value, +value], default 100000 (100 us)

Command Mode

- /exec/configure

ptp correction-range logging

[no] ptp correction-range logging

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
correction-range	set correction range threshold value
logging	enable logging for corrections exceeding threshold value

Command Mode

- /exec/configure

ptp correction hardware

[no] ptp correction hardware

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
correction	Corrections for PTP
hardware	Frequency correction from hardware or software

Command Mode

- /exec/configure

ptp cost

[no] ptp cost <cost>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
cost	Cost associated with the interface
<i>cost</i>	Cost

Command Mode

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

ptp delay-request minimum interval

[no] ptp delay-request minimum interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay-request	delay-request
minimum	minimum
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

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

ptp delay-request minimum interval

[no] ptp delay-request minimum interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay-request	delay-request
minimum	minimum
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

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

ptp delay tolerance reverse

[no] ptp delay tolerance { reverse-path | mean-path } <threshold-value> | no ptp delay tolerance { reverse-path | mean-path }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay	delay mean-path/reverse path variation
tolerance	Tolerance for variation
reverse-path	Tolerance for reverse-path-delay variation
mean-path	Tolerance for mean-path-delay variation
<i>threshold-value</i>	Threshold percentage value [1.0 - 100.0]

Command Mode

- /exec/configure

ptp destination-mac forwardable rx-no-match

[no] ptp destination-mac { forwardable | non-forwardable } rx-no-match { accept | drop | follow-rx }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
destination-mac	PTP packets destination MAC
forwardable	Forwardable MAC
non-forwardable	Non-forwardable MAC
rx-no-match	RX packet not matching dest MAC configuration
accept	Accept packet and respond based on configuration
drop	Drop packet and do not respond
follow-rx	Accept packet and respond based on received packet

Command Mode

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

ptp device-type

[no] ptp device-type { boundary-clock | generalized-ptp | ordinary-clock-grandmaster }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
device-type	ptp device-type
boundary-clock	boundary-clock
generalized-ptp	Generalized PTP
ordinary-clock-grandmaster	Ordinary clock Grandmaster

Command Mode

- /exec/configure

ptp domain

[no] ptp domain <domain-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp domain to be associated with interface
<i>domain-val</i>	Enter configured domain value, default 0

Command Mode

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

ptp domain

[no] ptp domain <domain-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Enter domain value

Command Mode

- /exec/configure

ptp domain clock-accuracy-threshold

[no] ptp domain <domain-val> clock-accuracy-threshold <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Domain value, default is 0
clock-accuracy-threshold	Domain clock accuracy threshold
<i>threshold-value</i>	Domain clock accuracy threshold value, default is 254

Command Mode

- /exec/configure

ptp domain clock-class-threshold

[no] ptp domain <domain-val> clock-class-threshold <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Domain value, default is 0
clock-class-threshold	Domain clock class threshold
<i>threshold-value</i>	Domain clock class threshold value, default is 248

Command Mode

- /exec/configure

ptp domain priority

[no] ptp domain <domain-val> priority <priority-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
<i>domain-val</i>	Domain value, default is 0
priority	Domain priority
<i>priority-val</i>	Domain priority value, default is 255

Command Mode

- /exec/configure

ptp enhanced-client-scale

[no] ptp enhanced-client-scale

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
enhanced-client-scale	Enable scaling of PTP multicast clients

Command Mode

- /exec/configure

ptp forward-version1

[no] ptp forward-version1

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
forward-version1	Forward PTPv1 packets

Command Mode

- /exec/configure

ptp grandmaster-capable

ptp grandmaster-capable | no ptp grandmaster-capable [convergence-time <val>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
grandmaster-capable	Grandmaster capability
convergence-time	(Optional) Convergence time in seconds
<i>val</i>	(Optional) convergence

Command Mode

- /exec/configure

ptp management

[no] ptp management

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
management	Management packet support

Command Mode

- /exec/configure

ptp master

[no] ptp master { <ipv4> | <ipv6> } [negotiation-schema <name>]

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
master	master
<i>ipv4</i>	IPv4 address of master
negotiation-schema	(Optional) PTP unicast-negotiation schema
<i>name</i>	(Optional) Name of schema

Command Mode

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

ptp mean-path-delay

[no] ptp mean-path-delay <threshold-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
mean-path-delay	set mean-path-delay threshold value
<i>threshold-value</i>	mean-path-delay threshold (ns), default 1000000000 (1 sec)

Command Mode

- /exec/configure

ptp multi-domain

ptp multi-domain | no ptp multi-domain

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
multi-domain	Configure ptp multi-domain

Command Mode

- /exec/configure

ptp multi-domain transition-attributes priority1

[no] ptp multi-domain transition-attributes priority1 <priority1-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
multi-domain	Configure ptp multi-domain
transition-attributes	ptp multi-domain priority domain conversion attributes
priority1	domain conversion priority1 value
<i>priority1-value</i>	Enter domain priority1 value, default 255

Command Mode

- /exec/configure

ptp multi-domain transition-attributes priority2

[no] ptp multi-domain transition-attributes priority2 <priority2-value>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
multi-domain	Configure ptp multi-domain
transition-attributes	ptp multi-domain priority domain conversion attributes
priority2	domain conversion priority2 value
<i>priority2-value</i>	Enter domain priority2 value, default 255

Command Mode

- /exec/configure

ptp neighbor propagation-delay-threshold

[no] ptp neighbor propagation-delay-threshold <nseconds>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
neighbor	ptp neighbor
propagation-delay-threshold	GPTP propagation delay threshold
<i>nseconds</i>	Interval in nano-seconds

Command Mode

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

ptp notification type gm-change

[no] ptp notification type gm-change

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
gm-change	Notification for changes in PTP Grand-master

Command Mode

- /exec/configure

ptp notification type high-correction

```
[no] ptp notification type high-correction [ interval { immediate | { <value> [ periodic-notification { enable | disable } ] } } ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
high-correction	Corrections which is crossing the threshold value.
interval	(Optional) Wait time between two successive notifications.
immediate	(Optional) Notification will be sent immediately after the event
<i>value</i>	(Optional) Duration value granularity is in seconds.
periodic-notification	(Optional) Define how notification will be sent.
enable	(Optional) Always send notification with configured <duration> period.
disable	(Optional) Notification will be sent only when any event occurrence.

Command Mode

- /exec/configure

ptp notification type parent-change

[no] ptp notification type parent-change

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
parent-change	Notification for changes in PTP parent

Command Mode

- /exec/configure

ptp notification type port-state-change

```
[no] ptp notification type port-state-change [ category { all | master-slave-only } ] [ interval { immediate |
<intv-val> [ periodic-notification { enable | disable } ] ] ]
```

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
notification	Define the PTP notification.
type	Notification type
port-state-change	Notification for changes in PTP port state
category	(Optional) Define categories that need to be notified
all	(Optional) All PTP port state changes
master-slave-only	(Optional) Notify PTP port state changes to Master/Slave only
interval	(Optional) Interval between two successive notifications
immediate	(Optional) Notification will be sent immediately after the event
<i>intv-val</i>	(Optional) Interval value in seconds
periodic-notification	(Optional) Define how notification will be sent
enable	(Optional) Always send notification with configured interval period
disable	(Optional) Notification will be sent only if some event occurred during the interval

Command Mode

- /exec/configure

ptp offload

[no] ptp offload

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
offload	Allows increasing number of PTP sessions per system by offloading some timers to linecard

Command Mode

- /exec/configure

ptp pdelay-req-interval

[no] ptp pdelay-req-interval <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
pdelay-req-interval	Log mean peer delay request interval
<i>val</i>	value

Command Mode

- /exec/configure

ptp peer

[no] ptp peer { <ipv4> | <ipv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
peer	peer
<i>ipv4</i>	IPv4 address of peer

Command Mode

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

ptp priority1

[no] ptp priority1 <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority1	priority1
<i>val</i>	priority1

Command Mode

- /exec/configure

ptp priority2

[no] ptp priority2 <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority2	Priority2
<i>val</i>	priority2

Command Mode

- /exec/configure

ptp profile-override

[no] ptp profile-override

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
profile-override	Allow override of some PTP profile parameters on interface

Command Mode

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

ptp profile

[no] ptp profile { default | 8275-1 | 8275-2 }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
profile	PTP profile
default	default profile
8275-1	PTP telecom profile matching 8275.1
8275-2	PTP telecom profile matching 8275.2

Command Mode

- /exec/configure

ptp role

[no] ptp role { dynamic | master | slave }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
role	role
dynamic	dynamic (bmca-assigned)
master	master-only
slave	slave-only

Command Mode

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

ptp scale-on-1G

[no] ptp scale-on-1G

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
scale-on-1G	Enables timestamping on asic for 1G ports

Command Mode

- /exec/configure

ptp slave

[no] ptp slave { <ipv4> | <ipv6> }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
slave	slave
<i>ipv4</i>	IPv4 address of slave

Command Mode

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

ptp source

[no] ptp source { <src-ip> | <src-ipv6> } [vrf { <vrf-name> | <vrf-cfg-name> }]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
source	source IP address
<i>src-ip</i>	IPv4 address (A.B.C.D) of source
vrf	(Optional) vrf to be used for ptp messages
<i>vrf-name</i>	(Optional) vrf to be used for ptp messages
<i>vrf-cfg-name</i>	(Optional) Configurable VRF name

Command Mode

- /exec/configure

ptp sync interval

[no] ptp sync interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
sync	sync
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-2059-2 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

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

ptp sync interval

[no] ptp sync interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
sync	sync
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
<i>log-seconds</i>	log seconds
<i>smpte-log-seconds</i>	SMPTE-205902 log seconds
<i>aes-log-seconds</i>	AES67-2015 log seconds

Command Mode

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

ptp transmission multicast

[no] ptp transmission { multicast | unicast [negotiation-schema <name>] }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
transmission	unicast/multicast transmission
multicast	multicast
unicast	unicast
negotiation-schema	(Optional) PTP unicast-negotiation schema
<i>name</i>	(Optional) Name of schema

Command Mode

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

ptp transport

[no] ptp transport { ipv4 | ipv6 | ethernet }

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
transport	transport
ipv4	ipv4
ipv6	ipv6
ethernet	ethernet

Command Mode

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

ptp ucast-source

[no] ptp ucast-source { <src-ip> | <src-ipv6> } [vrf { <vrf-name> | <vrf-cfg-name> }]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
ucast-source	source IP address for ucast messages
<i>src-ip</i>	IPv4 address (A.B.C.D) of source
vrf	(Optional) vrf to be used for ptp messages
<i>vrf-name</i>	(Optional) vrf to be used for ptp messages
<i>vrf-cfg-name</i>	(Optional) Configurable VRF name

Command Mode

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

ptp unicast-negotiation

[no] ptp unicast-negotiation

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
unicast-negotiation	PTP unicast-negotiation

Command Mode

- /exec/configure

ptp utc-offset

[no] ptp utc-offset <s1> [next-leapevent <d1> <t1> new-offset <s2>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
utc-offset	UTC offset to be added to GM clock
<i>s1</i>	Enter leap seconds
next-leapevent	(Optional) Time for next leap event
<i>d1</i>	(Optional) YYYY-MM-DD Date (Year 2022-2099)
<i>t1</i>	(Optional) HH:MM:SS Time
new-offset	(Optional) UTC offset to be added to GM clock after next leap event
<i>s2</i>	(Optional) Enter leap seconds

Command Mode

- /exec/configure

ptp vlan

[no] ptp vlan <vlan>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
vlan	vlan
<i>vlan</i>	vlan

Command Mode

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

purge fcdomain fcid vsan

purge fcdomain fcid vsan <i0>

Syntax Description

purge	Deletes unused data
fcdomain	Purge persistent FCIDs
fcid	Purge persistent FCIDs
vsan	Specify the vsan range
<i>i0</i>	VSAN id range

Command Mode

- /exec

purge module running-config

purge module <module> running-config

Syntax Description

purge	Deletes unused data
module	Purge configuration for non-existent modules
<i>module</i>	Enter module number
running-config	purge running configuration for non-existent modules

Command Mode

- /exec

push

push [<name>]

Syntax Description

push	push current mode to stack or save it under name
<i>name</i>	(Optional) name

Command Mode

- /global

pwd

pwd

Syntax Description

pwd	View current directory
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Command Mode

- /exec

pwwn vsan

[no] pwwn <wwn0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
pwwn	Device PWWN
<i>wwn0</i>	PWWN of the Device
vsan	VSAN id for device
<i>i1</i>	vsan id

Command Mode

- /exec/configure/dpvm-db

python

python [<uri> [<pyargs>] +]

Syntax Description

python	run a python command/script, or enter python mode (if no arg)
<i>uri</i>	(Optional) path to a python file
<i>pyargs</i>	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec

python3

python3 [<uri> [<pyargs>] +]

Syntax Description

python3	run a python3 command/script, or enter python mode (if no arg)
<i>uri</i>	(Optional) path to a python file
<i>pyargs</i>	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec

python instance

[no] python instance <inst> [<uri> [<pyargs>] +] | python instance <inst> <uri> [<pyargs>] +

Syntax Description

no	Negate a command or set its defaults
python	run a python command/script, or enter python mode (if no arg)
instance	label with an instance number
<i>inst</i>	instance number
<i>uri</i>	(Optional) path to a python file
<i>pyargs</i>	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec/configure

