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packet-size

{ packet-size <packetsize> }

Syntax Description

packet-size	Packet
packetsize	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
plistname	Enter the name of the parameter list
cross-check	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED

Command Mode

- /exec/configure

parity

[no] parity { even | none | odd }

Syntax Description

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

Command Mode

- /exec/configure/com1

parity

[no] parity <parity-value>

Syntax Description

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

Command Mode

- /exec/configure/console

passive-interface default

[no] passive-interface default

Syntax Description

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

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/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
level	IS-IS level

Command Mode

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

passive-interface default

[no] passive-interface default

Syntax Description

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

Command Mode

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

passive-interface default

[no] passive-interface default

Syntax Description

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

Command Mode

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

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
vrf-name	(Optional) VPN Routing/Forwarding instance name
vrf-known-name	(Optional) Known VRF name
required	Password is required for the peer
req-for	(Optional) Prefix list specifying control on LDP peers
req-pfx-list	(Optional) Prefix list for LDP peers
fallback	Specifies a fallback password will follow
option	LDP password option
seq-num	Sequence number of the LDP password option
opt-for	Prefix list specifying control on LDP peers
opt-pfx-list	Prefix list for LDP peers
key-chain	Specifies a key-chain name will follow
name	Key-chain name

Command Mode

- /exec/configure/ldp

password

{ [no] password <passwd> }

Syntax Description

password	password
passwd	password

Command Mode

- /exec/configure/dot1x-cred

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
password-string	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 } { <type> | 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
type	path attribute type
start	path attribute range start value
end	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
dn	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
path-num	Path identifier
next-hop	Nexthop
next-hop	Destination IPv4 next hop
out-label-stack	Series of output labels
static-outlabel	Label Value
implicit-null	IETF MPLS implicit null label (3)

Command Mode

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

pathtrace

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

Syntax Description

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

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

Command Mode

- /exec

pathtrace

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

Syntax Description

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

Command Mode

- /exec

pause

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

Syntax Description

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

Command Mode

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

pause buffer-size2 pause-threshold2 resume-threshold2

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

Syntax Description

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

Command Mode

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

pause priority

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

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
priority-group	ingress priority-group to which the traffic is mapped and pause limits are applied
priority-group-number	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
ip-address	PCE address
precedence	(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
thres	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
vlan-list	(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
addr	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
dst-ip	(Optional) IPv4 address (A.B.C.D) of destination
source	(Optional) source interface for hello
src-ip	(Optional) IPv4 address (A.B.C.D) of source
udp-port	(Optional) enter UDP port number used for hello
udp-port-num	(Optional) udp port number for hellos
vrf	(Optional) vrf to be used for hello messages
vrf-name	(Optional) vrf to be used for hellos
vrf-known-name	(Optional) Known VRF name
interval	(Optional) enter interval in milleseconds
interval-ms	(Optional) Enter interval in milleseconds
timeout	(Optional) enter timeout in seconds
time-out	(Optional) enter timeout in seconds
precedence	(Optional) Precedence
prec-vlaue	(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)
tos-value	(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)
tos-byte-value	(Optional) Enter 8-bit TOS value
hold-timeout	(Optional) hold timeout to ignore stale peer alive messages
hold-time-out	(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)
addr	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
service-name	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
i0	Time period in days (default is 7 days)
timeofday	Configure the timeofday for periodic inventory in HH:MM format
s0	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
val	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

seqno	(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
stime	Starting time
to	Ending day and time
etime	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

seqno	(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
eday	Day of the week
stime	Starting time
to	Ending day and time
etime	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
if0	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
vlan-mrange	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
vrf-name	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
vsan-mrange	Enter the vsan range

Command Mode

- /exec/configure/role/vsan

permitdeny_4613

<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> }

Syntax Description

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

Command Mode

- /exec/configure/mplsacl

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
uri_local	Personality backup local destination
uri_remote	Personality backup remote destination
password	(Optional) Password for SCP username
vrf-known-name	(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
uri	Personality file
user-name	(Optional) The username for downloads
user	(Optional) The username
password	(Optional) The password for downloads
password	(Optional) The password
hostname	(Optional) The hostname for downloads
hostname	(Optional) The hostname
vrf	(Optional) The VRF for downloads
vrf_name	(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-vrf/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-host-policy

ping

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

Syntax Description

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

vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

ping6

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

Syntax Description

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

Command Mode

- /exec

ping

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

Syntax Description

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

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

Command Mode

- /exec

ping mpls

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

Syntax Description

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

addr-incr-mask	(Optional) Destination
addr-incr	(Optional) Destination
source	(Optional) Source
addr	(Optional) Source
exp	(Optional) EXP
exp-value	(Optional) EXP
pad	(Optional) Pad
pattern	(Optional) Pad
ttl	(Optional) Time
ttl	(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
dscp-bits	(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
tx-interface	Echo
nexthop	Next
nexthop-ip-addr	Next
dsmap	(Optional) Request
hashkey	(Optional) Downstream
none	(Optional) Hash
hash-ipv4	(Optional) IPv4
bitmap	(Optional) Hash
bitmap-size	(Optional) Multipath
flags	(Optional) Flag
fec	(Optional) Request
policy	Derive
name	Specify
color	Specify

endpoint	Specify
srte-policy-name	The
srte-policy-color	The
srte-policy-endpoint	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
id	Id
nil-fec	Target
labels	A
comma-separated-labels	A
output	Output
ointerface	Echo
tx-interface	Echo
nexthop	Next
nexthop-ip-addr	Next
interval	(Optional) Interval
interval	(Optional) Interval
multiplier	(Optional) Number
multiplier	(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
sr-ipv4-prefix	IP
fec-type	Type
igp	Kind
isis	ISIS
bgp	BGP
generic	Generic
repeat	(Optional) Repeat
count	(Optional) Repeat
size	(Optional) Packet
size	(Optional) Datagram
sweep	(Optional) Sweep
min-size	(Optional)
max-size	(Optional)
increment	(Optional) Sweep
timeout	(Optional) Timeout
seconds	(Optional) Timeout
interval	(Optional) Send
milliseconds	(Optional) Send
destination	(Optional) Destination

addr-start	(Optional) Destination
addr-end	(Optional) Destination
addr-incr-mask	(Optional) Destination
addr-incr	(Optional) Destination
source	(Optional) Source
addr	(Optional) Source
exp	(Optional) EXP
exp-value	(Optional) EXP
pad	(Optional) Pad
pattern	(Optional) Pad
ttl	(Optional) Time
ttl	(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
dscp-bits	(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
bitmap-size	(Optional) Multipath
flags	(Optional) Flag
fec	(Optional) Request

Command Mode

- /exec

platform insert module

[no] platform insert module <module_num> [{ linecard { N9K-X9516v | N9K-X9532v | N9K-X9536v | N9K-X9548v | N9K-X9564v } }]

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform specific commands
insert	Insert a module
module	insert a specific module
module_num	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

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
s0	Platform name string
vsan	VSAN id of the platform
i0	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
timer-incremental	(Optional) Timer value in seconds
fulldb	(Optional) Configure Fulldb timer value
timer-fulldb	(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
rate	value in kbit per sec
module	(Optional) Specify a module number
module	(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
vlan	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
cir-perc	Percentage
pir-perc	(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
prec-val	(Optional) Precedence value
prec-val1	(Optional) Precedence value
prec-val2	(Optional) Precedence value
prec-enum	(Optional)
prec-enum1	(Optional)
prec-enum2	(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
dscp-val	(Optional) DSCP value
dscp-val1	(Optional) DSCP value
dscp-val2	(Optional) DSCP value
dscp-enum	(Optional)
dscp-enum1	(Optional)
dscp-enum2	(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
cos-val	(Optional) new cos value
cos-val1	(Optional) new cos value
cos-val2	(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
disc-class-val	(Optional) new discard-class value
disc-class-val1	(Optional) new discard-class value
disc-class-val2	(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
qos-grp-val	(Optional) QoS group value
qos-grp-val1	(Optional) QoS group value
qos-grp-val2	(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
exp-value-imp	(Optional) MPLS imposition value

exp-value-imp1	(Optional) MPLS imposition value
exp-value-imp2	(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
exp-value-top	(Optional) MPLS topmost value
exp-value-top1	(Optional) MPLS topmost value
exp-value-top2	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
exc-frm-field	(Optional)
exc-to-field	(Optional)
vio-frm-field	(Optional)
vio-to-field	(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
policer-name	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
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pir	(Optional) Specify peak information rate
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
be	(Optional) Specify extended burst
opt_kbytes_mbytes_gbytes_be	(Optional) Units
bc	(Optional) Specify committed burst
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
conform	(Optional) Specify a conform action
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
set-cos-val	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
set-dscp-val	(Optional) DSCP value
opt_set_dscp	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
set-prec-val	(Optional) IP Precedence value
opt_set_prec	(Optional)

exceed	(Optional) Specify a exceed action
opt_drop_transmit_exceed	(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
opt_drop_transmit_violate	(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
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
pir	(Optional) Specify peak information rate
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
be	(Optional) Specify extended burst
opt_kbytes_mbytes_gbytes_be	(Optional) Units
bc	(Optional) Specify committed burst
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
conform	(Optional) Specify a conform action
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
set-cos-val	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
set-dscp-val	(Optional) DSCP value
opt_set_dscp	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
set-prec-val	(Optional) IP Precedence value
opt_set_prec	(Optional)

exceed	(Optional) Specify a exceed action
opt_drop_transmit_exceed	(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
opt_drop_transmit_violate	(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
cir-perc	Percentage
pir-perc	(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
prec-val	(Optional) Precedence value
prec-val1	(Optional) Precedence value
prec-val2	(Optional) Precedence value
prec-enum	(Optional)
prec-enum1	(Optional)

prec-enum2	(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
dscp-val	(Optional) DSCP value
dscp-val1	(Optional) DSCP value
dscp-val2	(Optional) DSCP value
dscp-enum	(Optional)
dscp-enum1	(Optional)
dscp-enum2	(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
cos-val	(Optional) new cos value
cos-val1	(Optional) new cos value
cos-val2	(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
disc-class-val	(Optional) new discard-class value
disc-class-val1	(Optional) new discard-class value
disc-class-val2	(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
qos-grp-val	(Optional) QoS group value
qos-grp-val1	(Optional) QoS group value
qos-grp-val2	(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
exp-value-imp	(Optional) MPLS imposition value
exp-value-imp1	(Optional) MPLS imposition value
exp-value-imp2	(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
exp-value-top	(Optional) MPLS topmost value
exp-value-top1	(Optional) MPLS topmost value
exp-value-top2	(Optional) MPLS topmost value
set	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
exc-frm-field	(Optional)
exc-to-field	(Optional)
vio-frm-field	(Optional)
vio-to-field	(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
policer-name	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
pmap-name-qos	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
pmap-name	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
pmap-name-nq	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
pmap-name-que	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

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
device-id	peer's device-id
static	configure static policy
sgt	SGT tag for pkts from this device
sgt	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 128 characters
pol-name	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
cfg-pol-name	Policy name
unknown-pol-name	Policy name

Command Mode

- /exec/configure/nbm-flow-policy

policy

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

Syntax Description

no	(Optional) Negate a command or set its defaults
policy	NBM Flow policy
cfg-pol-name	Policy name
unknown-pol-name	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
name	(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
dest-ip	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
start-timer-value	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
type	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
bndl_hash	bundle hash
bndl_sel	bundle select
rotate	(Optional) offset the hash-input
po-lb-rotate-range	(Optional) offset the hash-input
concatenation	(Optional) enable/disable concatenation
module	(Optional) Specify a module number
module	(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
algorithm	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> [rotate <po-lb-rotate-range>] [symmetric] | no port-channel load-balance [<bndl_hash> <bndl_sel> <encap> [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
bndl_hash	bundle hash
bndl_sel	bundle select
encap	encapsulation
rotate	(Optional) offset the hash-input
po-lb-rotate-range	(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
load-defer-timeout	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
type	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
name	ITD port group name

Command Mode

- /exec/configure/itd

port-license

[no] port-license [acquire]

Syntax Description

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

Command Mode

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

port-license

[no] port-license [acquire]

Syntax Description

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

Command Mode

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

port-parameters

port-parameters

Syntax Description

port-parameters	Clock port configuration

Command Mode

- /exec/configure/clock-if

port-profile

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

Syntax Description

no	(Optional) Negate a command or set its defaults
port-profile	Configure a port-profile
profilename	Enter the name of the profile
s0	Enter the name of the profile
type	(Optional) configure type of the profile
typeval	(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
val	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 if port is fabric-facing or not
type	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

{ port <sport> <dport> }

Syntax Description

port	L4 port info
sport	Source port
dport	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
port-value	port value

Command Mode

- /exec/configure/itd-dg-node

port

{ no port | port <value> }

Syntax Description

no	
port	Port on which to listen
value	Max port value

Command Mode

- /exec/configure/config-twamp-srvr

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
i0	Radius server port (default is 1700)

Command Mode

- /exec/configure/locsvr-da-radius

port destination

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

Syntax Description

no	Negate a command or set its defaults
port	specify flow port address
source	specify flow source port address
destination	specify flow destination port address
port	port number

Command Mode

- /exec/configure/configngoamprofileflow

port type ethernet

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

Syntax Description

no	(Optional) Negate a command or set its defaults
port	Configure a port
port-range	Enter a port range
type	Configure a port type
ethernet	Ethernet Port
fc	FC Port

Command Mode

- /exec/configure/slot

postcard-telemetry exporter

[no] postcard-telemetry exporter <exportername>

Syntax Description

postcard-telemetry	Enable/Disable postcard telemetry configuration
exporter	Define a events Exporter
exportername	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
monitorname	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
queue_profilename	(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
monitorname	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
watchlistname	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 EEE for the port
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 EEE for the port
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	Power over Ethernet
port-mode-never	configure POE port mode
port-mode	configure POE port mode
max	(Optional) Configure the max power per interface
wattage	(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	Power over Ethernet
default_consumption	POE port default consumption
wattage	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	Power over Ethernet
police	Configure POE port police parameters
action	Configure action in port when power allocation exceeds
police-action	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	Power over Ethernet
port	Configure POE port parameters
priority	Configure the priority for the port
port-priority	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

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
lem-aware-module	please enter the module number
s0	Power off a specific xbar
santa-cruz-range	please enter the xbar number

Command Mode

- /exec/configure

precision milliseconds

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

Syntax Description

no	
precision	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
secs	Seconds to delay

Command Mode

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

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

preempt delay minimum <min-delay> reload <rel-delay> sync <sync-delay> | preempt delay reload <rel-delay> minimum <min-delay> sync <sync-delay> | preempt delay sync <sync-delay> minimum <min-delay> reload <rel-delay> | preempt delay reload <rel-delay> sync <sync-delay> minimum <min-delay> | preempt delay sync <sync-delay> reload <rel-delay> minimum <min-delay> | preempt delay minimum <min-delay> sync <sync-delay> reload <rel-delay> | preempt delay reload <rel-delay> sync <sync-delay> | preempt delay sync <sync-delay> reload <rel-delay> | preempt delay minimum <min-delay> sync <sync-delay> | preempt delay sync <sync-delay> minimum <min-delay> | preempt delay minimum <min-delay> reload <rel-delay> | preempt delay reload <rel-delay> minimum <min-delay> | preempt delay minimum <min-delay> | preempt delay reload <rel-delay> | preempt delay sync <sync-delay> | preempt | no preempt | no preempt delay [{ minimum [<min-delay>] [[reload [<rel-delay>]] [sync [<sync-delay>]] | [sync [<sync-delay>]] [reload [<rel-delay>]]] | reload [<rel-delay>] [[minimum [<min-delay>]] [sync [<sync-delay>]] | [sync [<sync-delay>]] [minimum [<min-delay>]]] | sync [<sync-delay>] [[reload [<rel-delay>]] [minimum [<min-delay>]] | [minimum [<min-delay>]] [reload [<rel-delay>]]] }]

Syntax Description

no	Negate a command or set its defaults
preempt	Overthrow lower priority Active routers
delay	Wait before preempting
minimum	Delay at least this long
min-delay	Number of seconds for minimum delay
reload	Delay after reload
rel-delay	Number of seconds for reload delay
sync	Wait for IP redundancy clients
sync-delay	Number of seconds for sync delay

Command Mode

- /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
pref	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
pref	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
pref-val	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
pref-val	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
prfxlist-name	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

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
val	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
val	Fixed multiplier value

Command Mode

- /exec/configure

priority-flow-control inn-recover interface

priority-flow-control inn-recover interface <if_list>

Syntax Description

priority-flow-control	Change PFC settings
inn-recover	Recover PFC queue from stuck state
interface	Interface
if_list	List of interfaces

Command Mode

- /exec

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
if_list	List of interfaces
qos-group	(Optional) No-drop class to be recovered
qgrp-num	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
module_idx	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
inst	(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
if_list	List of interfaces
qos-group	(Optional) No-drop class to be recovered
qos	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
module	(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
multiplier-val	(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	pfc related commands
watch-dog	watch dog interval
forced	Force enable watch-dog behaviour globally
on	Enable PFC watch-dog globally
off	Disable PFC watch-dog globally

Command Mode

- /exec/configure

priority-flow-control watch-dog interval

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

Syntax Description

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

Command Mode

- /exec/configure

priority-flow-control watch-dog shutdown-multiplier

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

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
shutdown-multiplier	Shutdown multiplier
val	Shutdown multiplier

Command Mode

- /exec/configure

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
priority_value	Configure the vr priority
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
lower-value	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
upper-value	(Optional) Upper threshold value

Command Mode

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

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
value	(Optional) Strict-priority level (1=hi 2=med 3=lo)

Command Mode

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

priority

[no] priority [level <value>]

Syntax Description

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

Command Mode

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

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
priority	Priority value
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
lower-value	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
upper-value	(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
value	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
val	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
value	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
value	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
value	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
pvlan-type	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
secondary_vlans	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
secondary_vlans	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-interval

probe-interval <probeinterval-val> | no probe-interval

Syntax Description

no	Negate a command or set its defaults
probe-interval	OpenFlow controller probe interval timer (default is 180 seconds)
probeinterval-val	probe interval timer value in secs

Command Mode

- /exec/configure/openflow/switch/sub-switch

probe-interval

probe-interval <probeinterval-val> | no probe-interval

Syntax Description

no	Negate a command or set its defaults
probe-interval	OpenFlow controller probe interval timer (default is 180 seconds)
probeinterval-val	probe interval timer value in secs

Command Mode

- /exec/configure/openflow/switch

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
probe-id-icmp	Service mode
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

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

probe

[no] probe { icmp | <l4-proto> <port-num> [control <status>] | http get [<url-name>] | dns host <host-name> } [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
l4-proto	tcp/udp probes
port-num	Port number
control	(Optional) Control protocol
status	(Optional) Control protocol status
http	http-get probe
get	Host name/Target address
url-name	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
dns	dns probe
host	DNS host
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
down-count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
source-interface	(Optional) Source interface for probe
src-intf	(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> } [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
l4-proto	tcp/udp probes
port-num	Port number
control	(Optional) Control protocol
status	(Optional) Control protocol status
http	http-get probe
get	Host name/Target address
url-name	(Optional) Specify only the user input text/filename. http://<node-ip>/<user input>
dns	dns probe
host	DNS host
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
down-count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
source-interface	(Optional) Source interface for probe
src-intf	(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
probe-id-icmp	Service mode
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(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>] +

Syntax Description

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

Command Mode

- /exec/configure/itd-device-group

probe get

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

Syntax Description

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

Syntax Description

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

Syntax Description

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

Command Mode

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

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
track-id	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	Probe for service health-checks
track	track id
track-id	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	ITD probe
track	track id
track-id	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
track-id	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
track-id	track id

Command Mode

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

profile

[no] profile <profilename>

Syntax Description

profile	Specify the profile to be applied
profilename	profile name to be applied

Command Mode

- /exec/configure/nfm-system

profile

{ profile <pid> | no profile }

Syntax Description

no	Negate a command or set its defaults
profile	NGOAM profile to use
pid	NGOAM profile id

Command Mode

- /exec/configure/configngoamconnectcheck

profile

[no] profile <profile-name>

Syntax Description

no	(Optional) Negate the command
profile	Packet Drop Profile
profile-name	Profile name

Command Mode

- /exec/configure/pkt-drop

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
proto-id	IANA Protocol id

Command Mode

- /exec/configure/configngoamccpayload

protocol-version

protocol-version { <10> | <13> | negotiate } | no protocol-version

Syntax Description

no	Negate a command or set its defaults
protocol-version	Set OpenFlow protocol version
10	Use only OF 1.0 protocol to connect to controller
13	Use only OF 1.3 protocol to connect to controller
negotiate	Negotiate protocol with controller

Command Mode

- /exec/configure/openflow/switch

protocol-version

protocol-version { <10> | <13> | negotiate } | no protocol-version

Syntax Description

no	Negate a command or set its defaults
protocol-version	Set OpenFlow protocol version
10	Use only OF 1.0 protocol to connect to controller
13	Use only OF 1.3 protocol to connect to controller
negotiate	Negotiate protocol with controller

Command Mode

- /exec/configure/openflow/switch/sub-switch

protocol

{ protocol <num> } | { no protocol }

Syntax Description

no	Negate a command or set its defaults
protocol	specify flow protocol number
num	flow protocol number

Command Mode

- /exec/configure/configngoamprofileflow

protocol

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

Syntax Description

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

Command Mode

- /exec/configure/config-snoop-policy

proxy

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

Syntax Description

no	(Optional) Negate a command or set its defaults
proxy	Set proxy server, ipv4/ipv6/hostname
port	(Optional) Set proxy server port
username	(Optional) Set proxy authentication username
proxy-server	IPv4 or IPv6 address or DNS name of proxy server
proxy-port	(Optional) Proxy port number
proxy-username	(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
log-seconds	log seconds
smpte-2059-2	SMPTE-2059-2
smpte-log-seconds	SMPTE-2059-2 log seconds
aes67	AES67-2015
aes-log-seconds	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
log-seconds	log seconds
smpte-2059-2	SMPTE-2059-2
smpte-log-seconds	SMPTE-2059-2 log seconds
aes67	AES67-2015
aes-log-seconds	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
val	
smpte-val	SMPTE-2059-2 val
aes-val	AES67-2015 val

Command Mode

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

ptp asymmetric-delay forward

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

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
asymmetric-delay	configurtion to compensate asymmetric delay
forward-path	asymmetric delay direction from master to slave
reverse-path	asymmetric delay direction from slave to master
delay-value	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
mac-address	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 convergence-time

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

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
convergence-time	Convergence time for Grandmaster capable node
val	(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
threshold-value	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
cost	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
log-seconds	log seconds
smpte-log-seconds	SMPTE-2059-2 log seconds
aes-log-seconds	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
log-seconds	log seconds
smpte-log-seconds	SMPTE-2059-2 log seconds
aes-log-seconds	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
threshold-value	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 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 boundary

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

Syntax Description

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

Command Mode

- /exec/configure

ptp domain

[no] ptp domain <domain-val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
domain-val	Enter domain value

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
domain-val	Enter configured domain value, default 0

Command Mode

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

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
domain-val	Domain value, default is 0
clock-accuracy-threshold	Domain clock accuracy threshold
threshold-value	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
domain-val	Domain value, default is 0
clock-class-threshold	Domain clock class threshold
threshold-value	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
domain-val	Domain value, default is 0
priority	Domain priority
priority-val	Domain priority value, default is 255

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
val	(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>

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem
master	master
ipv4	IPv4 address of master

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
threshold-value	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
priority1-value	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
priority2-value	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
nseconds	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
value	(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 occurance.

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
intv-val	(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
val	value

Command Mode

- /exec/configure

ptp priority1

[no] ptp priority1 <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority1	priority1
val	priority1

Command Mode

- /exec/configure

ptp priority2

[no] ptp priority2 <val>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority2	Priority2
val	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 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 slave

[no] ptp slave <ipv4>

Syntax Description

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

Command Mode

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

ptp source

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

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
source	source IP address
src-ip	IPv4 address (A.B.C.D) of source
vrf	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
vrf-name	(Optional) vrf to be used for hellos
vrf-cfg-name	(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
log-seconds	log seconds
smpte-log-seconds	SMPTE-205902 log seconds
aes-log-seconds	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
log-seconds	log seconds
smpte-log-seconds	SMPTE-2059-2 log seconds
aes-log-seconds	AES67-2015 log seconds

Command Mode

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

ptp transmission multicast

[no] ptp transmission { multicast | unicast }

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

Command Mode

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

ptp transport ipv4

[no] ptp transport { ipv4 | ethernet }

Syntax Description

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

Command Mode

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

ptp ucast-source

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

Syntax Description

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

Command Mode

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

ptp vlan

[no] ptp vlan <vlan>

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
vlan	vlan
vlan	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
i0	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
module	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
name	(Optional) name

Command Mode

- /global

pwd

pwd

Syntax Description

pwd	View current directory

Command Mode

- /exec

pwwn vsan

[no] pwwn <wwn0> vsan <i1>

Syntax Description

no	(Optional) Negate a command or set its defaults
pwwn	Device PWWN
wwn0	PWWN of the Device
vsan	VSAN id for device
i1	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)
uri	(Optional) path to a python file
pyargs	(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)
uri	(Optional) path to a python file
pyargs	(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
inst	instance number
uri	(Optional) path to a python file
pyargs	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec/configure