



## H Commands

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# ha-policy single

ha-policy { single-sup <hap-change> | dual-sup <sw-change> } +

## Syntax Description

ha-policy	Change HA policy for this VDC
<i>hap-change</i>	Change HA policy for this VDC
single-sup	Change HA policy for this VDC for single-sup situations
dual-sup	Change HA policy for this VDC for dual-sup situations
<i>sw-change</i>	Set hap policy

## Command Mode

- /exec/configure/vdc

# ha-stateful

[no] ha-stateful

## Syntax Description

no	(Optional) Negate a command or set its defaults
ha-stateful	Enable stateful OSPF HA

## Command Mode

- /exec/configure/router-ospf

# hardware access-list lou resource threshold

[no] hardware access-list lou resource threshold <threshold>

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold
<i>threshold</i>	value of threshold

## Command Mode

- /exec/configure

# hardware access-list module

[no] hardware access-list { resource-pooling | resource pooling } module <module-number>

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Show hardware information
access-list	Access Control List
resource-pooling	Enable ACL programming across TCAM banks
resource	hardware resource
pooling	Enable ACL programming across TCAM banks
module	module number
<i>module-number</i>	specify module number

## Command Mode

- /exec/configure

# hardware ecmp hash-offset

[no] hardware ecmp hash-offset <value> [ concatenation ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
ecmp	ECMP configuration
hash-offset	Configure hash offset
<i>value</i>	Hash offset 0-15 non-concatenate mode, 0-63 concatenate mode
concatenation	(Optional) Configure hash concatenation

## Command Mode

- /exec/configure

# hardware ecmp hash-polynomial

hardware ecmp hash-polynomial <poly-type> | no hardware ecmp hash-polynomial

## Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
ecmp	ECMP configuration
hash-polynomial	Configure hash polynomial
<i>poly-type</i>	Polynomial type

## Command Mode

- /exec/configure



# hardware ejector enable

[no] hardware ejector enable

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
ejector	Card ejector functionality
enable	enabled means when both ejectors are open, card is powered down

## Command Mode

- /exec/configure

## hardware fan-zone raise-speed

[no] hardware fan-zone <fan\_zone\_id> raise-speed <speed-to-raise>

### Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
fan-zone	Fan Zone supported in the switch
<i>fan_zone_id</i>	please enter fan zone id whose speed needs to be increased
raise-speed	Speed to be added for current fan zone speed
<i>speed-to-raise</i>	please enter additional fan speed

### Command Mode

- /exec/configure

# hardware forwarding funcstats clear

hardware forwarding funcstats clear

## Syntax Description

hardware	Change hardware usage settings
forwarding	Change forwarding related settings
funcstats	Enable/disable funcstats
clear	Clear funcstats information

## Command Mode

- /exec

# hardware forwarding funcstats disable

hardware forwarding funcstats disable

## Syntax Description

hardware	Change hardware usage settings
forwarding	Change forwarding related settings
funcstats	Enable/disable funcstats
disable	Disable funcstats recording and output

## Command Mode

- /exec

# hardware forwarding funcstats enable

hardware forwarding funcstats enable

## Syntax Description

hardware	Change hardware usage settings
forwarding	Change forwarding related settings
funcstats	Enable/disable funcstats
enable	Enable funcstats recording and output

## Command Mode

- /exec

# hardware forwarding l3 resource route non-deterministic

[no] hardware forwarding l3 resource route non-deterministic

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	hardware information
forwarding	forwarding information
l3	Layer-3
resource	hardware resources
route	TCAM capacity to hold prefixes
non-deterministic	extend upto 1M

## Command Mode

- /exec/configure

# hardware forwarding unicast trace

[no] hardware forwarding unicast trace

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
forwarding	Hardware forwarding
unicast	Hardware Unicast forwarding
trace	Debug traces

## Command Mode

- /exec/configure

# hardware ip glean throttle

[no] hardware ip glean throttle

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle

## Command Mode

- /exec/configure



# hardware ip glean throttle maximum

{ hardware ip glean throttle maximum <count> } | { no hardware ip glean throttle maximum }

## Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle
maximum	Maximum number of entries
<i>count</i>	Count

## Command Mode

- /exec/configure

# hardware ip glean throttle timeout

{ hardware ip glean throttle timeout <timeout-in-sec> } | { no hardware ip glean throttle timeout }

## Syntax Description

no	Negate a command or set its defaults
hardware	Hardware information
ip	IP
glean	Glean
throttle	Throttle
timeout	Timeout
<i>timeout-in-sec</i>	Timeout value in seconds (should be multiple of 30, else will be rounded off to nearest boundary)

## Command Mode

- /exec/configure

# hardware module boot-order reverse

[no] hardware module boot-order reverse

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
module	applies on all the modules
boot-order	Configure order of module power-up
reverse	reverse order of module power-up

## Command Mode

- /exec/configure

## hardware profile buffer monitor unicast

hardware profile buffer monitor { unicast | multicast } [ internal ] [ sampling <sampling> ] [ threshold <threshold> ] [ interface <intf-num> | sclass <sclass> ] | no hardware profile buffer monitor

### Syntax Description

no	Negate a command or set its defaults
hardware	Configure hardware profile buffer monitor settings
profile	profile buffer monitor settings
buffer	Buffer
monitor	buffer monitor
unicast	unicast
multicast	multicast
internal	(Optional) enable buffer monitoring internal mode
sampling	(Optional) sampling interval in nano-seconds
<i>sampling</i>	(Optional) sampling interval in nano-seconds
threshold	(Optional) histogram threshold in Kbytes with 384 Kbytes increment
<i>threshold</i>	(Optional) histogram threshold in Kbytes with 384 Kbytes increment
interface	(Optional) enable buffer monitoring on an interface
<i>intf-num</i>	(Optional) enable buffer monitoring on an interface
sclass	(Optional) enable buffer monitoring on a system class of services
<i>sclass</i>	(Optional) enable buffer monitoring on a system class of services

### Command Mode

- /exec/configure

# hardware profile buffer qosgroup threshold

[no] hardware profile buffer qosgroup <groupid> threshold <percentage>

## Syntax Description

no	(Optional) Negate the command
hardware	N3500
profile	Profile
buffer	Buffer
qosgroup	Qos-group
<i>groupid</i>	Group-id
threshold	Threshold
<i>percentage</i>	Percentage of maximum usage

## Command Mode

- /exec/configure

# hardware profile buffer span-threshold

[no] hardware profile buffer span-threshold <percentage>

## Syntax Description

no	(Optional) Negate the command
hardware	N3500
profile	Profile
buffer	Buffer
span-threshold	Span Threshold
<i>percentage</i>	Percentage of maximum usage

## Command Mode

- /exec/configure

## hardware profile forwarding-mode

```
[no] hardware profile forwarding-mode { warp [ lpm-entry <lpm_warp> host-entry <host> l2-entry <l2>
mcast-entry <mcst_warp> ] | openflow-hybrid | openflow-only | normal [ lpm-entry <ipv4> mcast-entry
<mcst> ] }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
forwarding-mode	Forwarding mode setting
warp	Warp forwarding mode setting
openflow-hybrid	Openflow hybrid forwarding mode setting
openflow-only	Openflow only forwarding mode setting
normal	Normal forwarding mode setting
lpm-entry	(Optional) 4K aligned total IPv4 entries
<i>ipv4</i>	(Optional) 4K aligned total IPv4 entries
mcast-entry	(Optional) 4K aligned total Mcast entries
<i>mcst</i>	(Optional) 4K aligned total Mcast entries
<i>lpm_warp</i>	(Optional) 4K aligned total IPv4 entries
<i>mcst_warp</i>	(Optional) 4K aligned total Mcast entries
host-entry	(Optional) 4K aligned total Host entries
<i>host</i>	(Optional) 4K aligned total Host entries
l2-entry	(Optional) 4K aligned total L2 entries
<i>l2</i>	(Optional) 4K aligned total L2 entries

### Command Mode

- /exec/configure

# hardware profile front portmode

hardware profile front portmode <port-mode> | no hardware profile front portmode

## Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
front	port 1 QSFP/SFP+ settings
portmode	QSFP or SFP+
<i>port-mode</i>	Configure QSFP/sfp+ port mode

## Command Mode

- /exec/configure



# hardware profile latency monitor

hardware profile latency monitor [ threshold-avg <threshold-avg> ] [ threshold-max <threshold-max> ] [ sampling <sampling> ] | no hardware profile latency monitor

## Syntax Description

no	Negate a command or set its defaults
hardware	Configure hardware profile latency monitor settings
profile	profile latency monitor settings
latency	latency
monitor	latency monitor
threshold-avg	(Optional) average latency threshold in nano-seconds
<i>threshold-avg</i>	(Optional) average latency threshold in nano-seconds
threshold-max	(Optional) maximum latency threshold in nano-seconds
<i>threshold-max</i>	(Optional) maximum latency threshold in nano-seconds
sampling	(Optional) sampling interval in seconds
<i>sampling</i>	(Optional) sampling interval in seconds

## Command Mode

- /exec/configure

# hardware profile multicast rpf-check-optimization

```
{ hardware profile multicast rpf-check-optimization } | { no hardware profile multicast rpf-check-optimization }  
}
```

## Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
rpf-check-optimization	RPF Check optimization on Monticello ASIC

## Command Mode

- /exec/configure

## hardware profile multicast service-reflect port

```
{ hardware profile multicast service-reflect port <port-num> } | { no hardware profile multicast service-reflect }  
}
```

### Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
service-reflect	service-reflect settings
port	loopback port
<i>port-num</i>	loopback port-num

### Command Mode

- /exec/configure

# hardware profile multicast slow-receiver port

hardware profile multicast slow-receiver port <port> | no hardware profile multicast slow-receiver port <port>

## Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	Profile
multicast	Multicast settings
slow-receiver	Multicast slow receiver
port	Port
<i>port</i>	Port number

## Command Mode

- /exec/configure

# hardware profile multicast syslog-threshold

[no] hardware profile multicast syslog-threshold <percentage>

## Syntax Description

no	(Optional) Negate the command
hardware	Change hardware usage settings
profile	profile settings
multicast	Multicast settings
syslog-threshold	MROUTE table syslog threshold
<i>percentage</i>	Percentage (Default is 90)

## Command Mode

- /exec/configure

# hardware profile portmode

{ hardware profile portmode <port-mode> [ 2-tuple ] } | no hardware profile portmode

## Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	profile settings
portmode	QSFP port mode setting
<i>port-mode</i>	Configure QSFP port mode

## Command Mode

- /exec/configure

# hardware profile tcam ipv6-sup-tcam match-inner

```
{ hardware profile tcam ipv6-sup-tcam match-inner } | { no hardware profile tcam ipv6-sup-tcam match-inner }  
}
```

## Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
ipv6-sup-tcam	IPv6 SUP TCAM parameters
match-inner	match inner payload for tunnel packets

## Command Mode

- /exec/configure

## hardware profile tcam region

```
[no] hardware profile tcam region { <tcam_compat_type> <tcam_compat_size> | ifacl <tcam_compat_size>
[ double-wide ] | nat <tcam_compat_size> }
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
profile	profile
tcam	Configure tcam parameters
region	Configure tcam region
ifacl	IPV4 PAcl size
nat	NAT size
<i>tcam_compat_type</i>	
<i>tcam_compat_size</i>	Enter tcam size

### Command Mode

- /exec/configure



# hardware profile tcam syslog-threshold

{ hardware profile tcam syslog-threshold <percentage> } | { no hardware profile tcam syslog-threshold }

## Syntax Description

no	Negate a command or set its defaults
hardware	Change hardware usage settings
profile	Profile settings
tcam	Configure tcam parameters
syslog-threshold	TCAMs syslog threshold
<i>percentage</i>	Percentage

## Command Mode

- /exec/configure

## hardware profile ucast6 lpm-65-to-127-max-limit

{ hardware profile ucast6 lpm-65-to-127-max-limit <unicast-ent> } | { no hardware profile ucast6 lpm-65-to-127-max-limit }

### Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
ucast6	unicast ipv6 settings
lpm-65-to-127-max-limit	maximum limit for unicast ipv6 lpm-65-to-127 entries, default is 256
<i>unicast-ent</i>	Unicast ipv6 lpm-65-to-127 Table Entries

### Command Mode

- /exec/configure

## hardware profile ucast6 max-limit

{ hardware profile ucast6 max-limit <unicast-ent> } | { no hardware profile ucast6 max-limit }

### Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
ucast6	unicast ipv6 settings
max-limit	maximum limit for unicast ipv6 entries
<i>unicast-ent</i>	Unicast ipv6 Table Entries

### Command Mode

- /exec/configure

# hardware profile unicast syslog-threshold

```
{ hardware profile unicast syslog-threshold <percentage> } | { no hardware profile unicast syslog-threshold }  
}
```

## Syntax Description

no	Negate the command
hardware	Change hardware usage settings
profile	profile settings
unicast	Unicast settings
syslog-threshold	Unicast Route table syslog threshold
<i>percentage</i>	Percentage

## Command Mode

- /exec/configure

# hardware qos pfc mc-drop

[no] hardware qos pfc mc-drop

## Syntax Description

no	(Optional) Negate a command or set its defaults
hardware	Hardware Internal Information
qos	Configure qos related configuration
pfc	Priority-flow-control specific configuration
mc-drop	Multicast packets are dropped in lossless queue

## Command Mode

- /exec/configure

# hardware sample-redirect module redirect-interface

hardware sample-redirect module <num> redirect-interface <interface>

## Syntax Description

hardware	Change hardware usage settings
sample-redirect	Redirect netflow sampled data
module	Line card module
<i>num</i>	slot number
redirect-interface	Interface for redirecting the traffic
<i>interface</i>	Interface Name

## Command Mode

- /exec

# head

| head [ -n <lines> ]

## Syntax Description

	Pipe command output to filter
head	Display first lines
-n	(Optional) modify number of lines (default 10)
<i>lines</i>	(Optional) number of lines to print

## Command Mode

- /output

# hello-interval

```
{ { hello-interval <interval> } | { no hello-interval [ <interval> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
hello-interval	Hello interval
<i>interval</i>	(seconds)

## Command Mode

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



# hello-interval

```
{ { hello-interval <interval> } | { no hello-interval [ <interval> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
hello-interval	Hello interval
<i>interval</i>	(seconds)

## Command Mode

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

# hello-interval

```
{ { hello-interval <interval> } | { no hello-interval [ <interval> ] } }
```

## Syntax Description

no	Negate a command or set its defaults
hello-interval	Hello interval
<i>interval</i>	(seconds)

## Command Mode

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

# hex

hex <expr>

## Syntax Description

hex	calculator with results in decimal format
<i>expr</i>	the expression to compute (integer arithmetics)

## Command Mode

- /exec

# history

```
{ no | default } history { { buckets-kept } | { distributions-of-statistics-kept } | { enhanced [ interval [
<interval-seconds> [ buckets [ <num-buckets> ] ] ] ] } | { filter } | { hours-of-statistics-kept } | { lives-kept }
| { statistics-distribution-interval } }
```

## Syntax Description

no	
<i>interval</i>	(Optional) buckets
default	Set a command to its defaults
history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
enhanced	Enable enhanced history collection
<i>interval-seconds</i>	(Optional) Interval in seconds
buckets	(Optional) Number of buckets to collect data
<i>num-buckets</i>	(Optional) Number of buckets
filter	Add operation to History when...
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
lives-kept	Maximum number of history lives to collect
statistics-distribution-interval	Statistics distribution interval size

## Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho

# history

```
history { { buckets-kept <num-buckets-kept> } | { distributions-of-statistics-kept <num-dist-stats> } | {
enhanced [ interval [ <interval-seconds> [ buckets [ <num-buckets> ] ] ] ] | { filter { all | failures | none |
overThreshold } } | { hours-of-statistics-kept <num-hours-of-stats> } | { lives-kept <life-size-value> } | {
statistics-distribution-interval <dist-interval> } }
```

## Syntax Description

<i>interval</i>	(Optional) buckets
<i>interval-seconds</i>	(Optional) <num-buckets>
<i>life-size-value</i>	<dist-interval>
history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
<i>num-buckets-kept</i>	Bucket size value (default 15)
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
<i>num-dist-stats</i>	Distribution bucket size value (default 1)
enhanced	Enable enhanced history collection
buckets	(Optional) Number of buckets to collect data
<i>num-buckets</i>	(Optional) Number of buckets
filter	Add operation to History when...
all	Collect every operation in History
failures	Collect operations that fail in History
none	Shutoff History collection
overThreshold	Collect operations that are over threshold in History
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
<i>num-hours-of-stats</i>	Hour groups size value (default 2)
lives-kept	Maximum number of history lives to collect
statistics-distribution-interval	Statistics distribution interval size
<i>dist-interval</i>	Distribution interval value in msec (default 20ms), Value in usec if precision microsecond is enabled

## Command Mode

- /exec/configure/ip-sla/udp /exec/configure/ip-sla/tcp /exec/configure/ip-sla/icmpEcho

# history

```
{ no | default } history { { buckets-kept } | { distributions-of-statistics-kept } | { filter } | {
hours-of-statistics-kept } | { lives-kept } | { statistics-distribution-interval } }
```

## Syntax Description

no	
default	Set a command to its defaults
history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
filter	Add operation to History when...
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
lives-kept	Maximum number of history lives to collect
statistics-distribution-interval	Statistics distribution interval size

## Command Mode

- /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho /exec/configure/ip-sla/http

# history

```
history { { buckets-kept <num-buckets-kept> } | { distributions-of-statistics-kept <num-dist-stats> } | { filter
{ all | failures | none | overThreshold } } | { hours-of-statistics-kept <num-hours-of-stats> } | { lives-kept
<life-size-value> } | { statistics-distribution-interval <dist-interval> } }
```

## Syntax Description

<i>dist-interval</i>	<num-buckets-kept>
<i>num-hours-of-stats</i>	<life-size-value>
<i>distributions-of-statistics-kept</i>	hours-of-statistics-kept
<i>statistics-distribution-interval</i>	
history	History and Distribution Data
buckets-kept	Maximum number of history buckets to collect
<i>num-buckets-kept</i>	Bucket size value (default 15)
<i>num-dist-stats</i>	Distribution bucket size value (default 1)
filter	Add operation to History when...
all	Collect every operation in History
failures	Collect operations that fail in History
none	Shutoff History collection
overThreshold	Collect operations that are over threshold in History
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
lives-kept	Maximum number of history lives to collect
<i>life-size-value</i>	Life size value (default 0)

## Command Mode

- /exec/configure/ip-sla/dns /exec/configure/ip-sla/fabricPathEcho /exec/configure/ip-sla/http

# history

```
{ no | default } history { { distributions-of-statistics-kept } | { enhanced [ interval [ <interval-seconds> [ buckets [ <num-buckets> ] ] ] ] } | { hours-of-statistics-kept } | { statistics-distribution-interval } }
```

## Syntax Description

no	
<i>interval</i>	(Optional) buckets
<i>distributions-of-statistics-kept</i>	hours-of-statistics-kept
<i>statistics-distribution-interval</i>	
default	Set a command to its defaults
history	History and Distribution Data
enhanced	Enable enhanced history collection
<i>interval-seconds</i>	(Optional) Interval in seconds
buckets	(Optional) Number of buckets to collect data
<i>num-buckets</i>	(Optional) Number of buckets
hours-of-statistics-kept	Maximum number of statistics hour groups to capture

## Command Mode

- /exec/configure/ip-sla/jitter



# history

```
history { { distributions-of-statistics-kept <num-dist-stats> } | { enhanced [ interval [ <interval-seconds> [
buckets [ <num-buckets> ] ] ] ] } | { hours-of-statistics-kept <num-hours-of-stats> } | {
statistics-distribution-interval <dist-interval> } }
```

## Syntax Description

<i>interval</i>	(Optional) buckets
<i>num-buckets</i>	(Optional) <num-hours-of-stats>
<i>enhanced</i>	hours-of-statistics-kept
history	History and Distribution Data
distributions-of-statistics-kept	Maximum number of statistics distribution buckets to capture
<i>num-dist-stats</i>	Distribution bucket size value (default 1)
<i>interval-seconds</i>	(Optional) Interval in seconds
buckets	(Optional) Number of buckets to collect data
hours-of-statistics-kept	Maximum number of statistics hour groups to capture
<i>num-hours-of-stats</i>	Hour groups size value (default 2)
statistics-distribution-interval	Statistics distribution interval size
<i>dist-interval</i>	Distribution interval value in msec (default 20ms), Value in usec if precision microsecond is enabled

## Command Mode

- /exec/configure/ip-sla/jitter

# history buffer

```
[no] history buffer [ { size [ <onep-historysize> [ purge <historypurge> ] ] } | { purge <historypurge> [ size <onep-historysize> ] } | { session [ <appname-str> ] } ]
```

## Syntax Description

no	(Optional) Negate a command or set its defaults
history	One Platform history trails
buffer	In memory buffering of API history trails
session	(Optional) Session history filter
<i>appname-str</i>	(Optional) Full or partial session name
size	(Optional) History buffer size in bytes
<i>onep-historysize</i>	(Optional) Bytes (default: 32768)
purge	(Optional) Purge the oldest or newest session history
<i>historypurge</i>	(Optional) Purge session history

## Command Mode

- /exec/configure/onep

# history syslog

[no] history syslog

## Syntax Description

no	(Optional) Negate a command or set its defaults
history	One Platform history trails
syslog	Enable the API history trails to syslog

## Command Mode

- /exec/configure/onep

# hold adjacency

hold adjacency <all>

## Syntax Description

hold	Hold
adjacency	Display adjacency table
all	Hold all adjcencies

## Command Mode

- /exec

# hold ip route

```
hold ip { route | rnh } [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] <all>
```

## Syntax Description

hold	Hold
ip	IPv4
route	Hold routing information
rnh	Hold only RNH information
vrf	(Optional) VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
all	Hold all routes

## Command Mode

- /exec

## hold ipv6 route

```
hold ipv6 route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] <all>
```

### Syntax Description

hold	Hold
ipv6	IPv6
route	Hold routing information
vrf	(Optional) VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
all	Hold all routes

### Command Mode

- /exec

# hold timeout

hold timeout <timeout\_val>

## Syntax Description

hold	Hold timer
timeout	timer timeout
<i>timeout_val</i>	timeout duration in seconds

## Command Mode

- /exec/configure/vpc-domain

# holdtime

holdtime { infinite | <secs> } | no holdtime

## Syntax Description

no	Negate a command or set its defaults
holdtime	LDP session holdtime
infinite	Ignore LDP session holdtime
<i>secs</i>	Holdtime in seconds

## Command Mode

- /exec/configure/ldp



# hop-limit maximum

[no] hop-limit maximum <limit>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>limit</i>	Maximum hop count value allowed

## Command Mode

- /exec/configure/config-ra-guard

# hop-limit minimum

[no] hop-limit minimum <limit>

## Syntax Description

no	(Optional) Negate a command or set its defaults
<i>limit</i>	Minimum hop count value allowed

## Command Mode

- /exec/configure/config-ra-guard

# hop

{ hop <val> } | { no hop }

## Syntax Description

no	Negate a command or set its defaults
hop	Configure ngoam hop count
<i>val</i>	Configure ngoam service hop count value

## Command Mode

- /exec/configure/configngoamprofile

# host-reachability protocol

[no] host-reachability protocol { bgp | openflow | openflow-ir }

## Syntax Description

no	(Optional) Negate a command or set its defaults
host-reachability	Configure host reachability advertisement
protocol	Control protocol to use
bgp	Border Gateway Protocol
openflow	OpenFlow
openflow-ir	OpenFlow-IR

## Command Mode

- /exec/configure/if-nve

# host

[no] { host <hostaddr> | <prefix> | <addr> <mask> }

## Syntax Description

no	(Optional) Negate a command or set its defaults
host	Host address of the object-group member
<i>hostaddr</i>	A.B.C.D Host address
<i>addr</i>	A.B.C.D Network address of object-group member
<i>mask</i>	A.B.C.D wildcard
<i>prefix</i>	A.B.C.D/nn Network prefix of the object-group member

## Command Mode

- /exec/configure/objgroup

# hostname

{ hostname | switchname } <name> | no { hostname | switchname }

## Syntax Description

no	Negate a command or set its defaults
hostname	Configure system's host name
switchname	Configure system's host name
<i>name</i>	Enter switchname

## Command Mode

- /exec/configure

# hostname dynamic

[no] hostname dynamic

## Syntax Description

no	(Optional) Negate a command or set its defaults
hostname	Set dynamic hostname for IS-IS
dynamic	Dynamic hostname

## Command Mode

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

# hostname dynamic

[no] hostname dynamic

## Syntax Description

no	(Optional) Negate a command or set its defaults
hostname	Set dynamic hostname for IS-IS
dynamic	Dynamic hostname

## Command Mode

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



# hsrp

[no] hsrp <group-id> [ ipv4 ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
<i>group-id</i>	Group number (0-255 for HSRPv1)
ipv4	(Optional) Configure IP Version 4 group

## Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

# hsrp anycast

[no] hsrp anycast <id> { ipv4 | ipv6 | both }

## Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP configuration commands
anycast	Anycast related commands
<i>id</i>	Bundle number
ipv4	Associate IP Version 4 for the bundle
ipv6	Associate IP Version 6 for the bundle
both	Associate IP Version 4 and 6 for the bundle

## Command Mode

- /exec/configure

# hsrp delay minimum

hsrp delay { minimum <min-delay> | reload <reload-delay> } + | no hsrp delay [ minimum | reload ]

## Syntax Description

no	Negate a command or set its defaults
hsrp	HSRP interface configuration commands
delay	HSRP initialisation delay
minimum	Minimum delay
reload	Delay after reload
<i>min-delay</i>	<0-10000> Delay in seconds
<i>reload-delay</i>	<0-10000> Delay in seconds

## Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

## hsrp force state vlan

```
hsrp force state vlan { <vlans> | all }
```

### Syntax Description

hsrp	Hot Standby Router Protocol (HSRP) information
force	Move the HSRP state
state	HSRP state
vlan	HSRP state changes for these vlans
all	Include all HSRP configured VLANs
<i>vlans</i>	VLAN IDs of the VLAN for which state change will affect

### Command Mode

- /exec

# hsrp ipv6

[no] hsrp <group-id> ipv6

## Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
<i>group-id</i>	Group number
ipv6	Configure IP Version 6 group

## Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

# hsrp mac-refresh

hsrp mac-refresh [ <time> ] | no hsrp mac-refresh

## Syntax Description

no	Negate a command or set its defaults
hsrp	HSRP interface configuration commands
mac-refresh	Interface mac-refresh time
<i>time</i>	(Optional) Timeout value (0-10000) in sec

## Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

## hsrp timers extended-hold

[no] hsrp timers extended-hold [ <extended-hold> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
timers	Global Timers
extended-hold	Extended Hold
<i>extended-hold</i>	(Optional) Time in seconds

### Command Mode

- /exec/configure

# hsrp use-bia

[no] hsrp use-bia [ scope interface ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
hsrp	HSRP interface configuration commands
use-bia	HSRP uses interface's burned in address
scope	(Optional) Specify the scope of use-bia
interface	(Optional) Use-bia applies to all groups on this interface or sub-interface

## Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all



# hsrp version 1

hsrp version { 1 | 2 } | no hsrp version

## Syntax Description

no	Negate a command or set its defaults
hsrp	HSRP interface configuration commands
version	HSRP version
1	Version 1
2	Version 2

## Command Mode

- /exec/configure/if-eth-any /exec/configure/if-vlan-common /exec/configure/if-port-channel /exec/configure/if-sub /exec/configure/if-ethernet-all

# http get

```
[no] http { get } <WORD> { [ cache { disable | enable } ] [ proxy <proxy-info> ] [ source-ip {
<source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] [ version <http-version> ] } +
```

## Syntax Description

<i>no</i>	(Optional)
<i>cache</i>	(Optional) enable
<i>proxy</i>	(Optional) <proxy-info>
<i>source-ip</i>	(Optional) <source-ip-hostname>
<i>source-port</i>	(Optional) <src-port>
<i>version</i>	(Optional) <http-version>
http	HTTP Operation
get	HTTP get operation
<i>WORD</i>	URL
enable	(Optional) enable download of cached entries (default)
disable	(Optional) disable download of cached entries (default)
<i>proxy-info</i>	(Optional) proxy information string
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
<i>src-port</i>	(Optional) Port Number (Recommended port range between 1025-65534)
<i>http-version</i>	(Optional) Supported HTTP versions are '1.0' and '1.1'.

## Command Mode

- /exec/configure/ip-sla

# human

| human

## Syntax Description

	Pipe command output to filter
human	output in human format

## Command Mode

- /output

# human

| human

## Syntax Description

	Pipe command output to filter
human	output in human format

## Command Mode

- /output

## hw-module logging onboard

```
[no] hw-module logging onboard [ { environmental-history | error-stats | interrupt-stats | module <module>
[ { environmental-history | error-stats | interrupt-stats | obfl-logs | cpuhog } ] | obfl-logs | cpuhog } ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
hw-module	Enable/Disable OBFL information
logging	Enable/Disable OBFL information
onboard	Enable/Disable OBFL information
environmental-history	(Optional) Enable/Disable OBFL environmental history
error-stats	(Optional) Enable/Disable OBFL error statistics
interrupt-stats	(Optional) Enable/Disable OBFL interrupt statistics
cpuhog	(Optional) Enable/Disable OBFL cpu hog events
module	(Optional) Enable/Disable OBFL information for Module
<i>module</i>	(Optional) Enter module number
obfl-logs	(Optional) Enable/Disable OBFL (boot-uptime/device-version/obfl-history)

### Command Mode

- /exec/configure

## hw-module logging onboard

[no] hw-module logging onboard [ { counter-stats | module <module> [ { counter-stats } ] } ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
hw-module	Enable/Disable OBFL information
logging	Enable/Disable OBFL information
onboard	Enable/Disable OBFL information
counter-stats	(Optional) Enable/Disable OBFL counter statistics
module	(Optional) Enable/Disable OBFL information for Module
<i>module</i>	(Optional) Enter module number

### Command Mode

- /exec/configure