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# callhome

callhome

**Syntax Description**

| | |
|---|---|
| callhome | Enter the callhome configuration mode |

**Command Mode**

- /exec/configure

# callhome send configuration

callhome send configuration

**Syntax Description**

| | |
|---|---|
| callhome | callhome commands |
| send | send a command callhome message |
| configuration | configuration type |

**Command Mode**

- /exec

# callhome send diagnostic

callhome send diagnostic

**Syntax Description**

| | |
|---|---|
| callhome | callhome commands |
| send | send a command callhome message |
| diagnostic | dignostic command |

**Command Mode**

- /exec

# callhome send eem subject body

callhome send eem subject <s1> body <s2>

**Syntax Description**

| | |
|---|---|
| callhome | callhome commands |
| send | send a command callhome message |
| eem | eem action email |
| subject | action email subject |
| body | action email body |
| *s1* | subject-text string |
| *s2* | body-text string |

**Command Mode**

- /exec

# callhome test

callhome test

**Syntax Description**

| | |
|---|---|
| callhome | callhome commands |
| test | send a test callhome message |

**Command Mode**

- /exec

# callhome test inventory

callhome test inventory

**Syntax Description**

| | |
|---|---|
| callhome | callhome commands |
| test | send a test callhome message |
| inventory | send a dummy callhome inventory |

**Command Mode**

- /exec

# callhome test supfail

callhome test supfail

**Syntax Description**

| | |
|---|---|
| callhome | callhome commands |
| test | send a test callhome message |
| supfail | send a dummy callhome message about sup failure |

**Command Mode**

- /exec

# capability additional-paths receive

[ no | default ] capability additional-paths receive [ disable ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| capability | Advertise capability to the peer |
| additional-paths | Additional paths capability |
| receive | Additional paths Receive capability |
| disable | (Optional) Do not advertise additional paths Receive capability |

**Command Mode**

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
  /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

# capability additional-paths send

[ no | default ] capability additional-paths send [ disable ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| capability | Advertise capability to the peer |
| additional-paths | Additional paths capability |
| send | Additional paths Send capability |
| disable | (Optional) Do not advertise additional paths Send capability |

**Command Mode**

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mvpn
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-mvpn

# capability suppress 4-byte-as

[ no | default ] capability suppress 4-byte-as

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| capability | Capability |
| suppress | Suppress sending out capability |
| 4-byte-as | Suppress 4-byte AS Capability |

**Command Mode**

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

# capability vrf-lite

[no] capability vrf-lite [ evpn ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| capability | Capability |
| vrf-lite | Enable VRF-lite support |
| evpn | (Optional) Ethernet VPN |

**Command Mode**

- /exec/configure/router-ospf/vrf

# capture session

[no] capture session <session-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| capture | Enable packet capture on this filter for session |
| session | Session ID <1-48> for this session |
| *session-id* | Session ID <1-48> for this session |

**Command Mode**

- /exec/configure/ipacl /exec/configure/ipv6acl /exec/configure/macacl /exec/configure/arpacl

# carrier-delay

carrier-delay { <sec_val> | msec <msec_val> } | no carrier-delay

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| carrier-delay | Specify delay for interface transitions |
| *sec_val* | Carrier Transitions delay seconds |
| msec | Carrier Transitions delay milliseconds |
| *msec_val* | Carrier Transitions delay milliseconds |

**Command Mode**

- /exec/configure/if-vlan-common

# cbts-member tunnel-te

[no] cbts-member tunnel-te <tunnel-num>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cbts-member | Member Tunnel |
| tunnel-te | Tunnel Interface |
| *tunnel-num* | Tunnel Interface number |

**Command Mode**

- /exec/configure/if-te

# cd

cd <uri0>

**Syntax Description**

| | |
|---|---|
| cd | Change current directory |
| *uri0* | Enter the name of the directory |

**Command Mode**

- /exec

# cdp advertise v1

cdp advertise { v1 | v2 } | no cdp advertise [ v1 | v2 ]

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| cdp | Configure CDP parameters |
| advertise | Highest CDP version supported on the switch |
| v1 | CDP Version 1 |
| v2 | CDP Version 2 |

**Command Mode**

- /exec/configure

# cdp enable

[no] cdp enable

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cdp | Configure CDP interface parameters |
| enable | Enable/disable CDP on the interface |

**Command Mode**

- /exec/configure/if-ethernet-all /exec/configure/if-gig-ether-all /exec/configure/if-gig-ether /exec/configure/if-eth-base /exec/configure/if-mgmt-ether

# cdp enable

[no] cdp enable

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cdp | Configure CDP interface parameters |
| enable | Enable/disable CDP on all interfaces |

**Command Mode**

- /exec/configure

# cdp format device-id

[no] cdp format device-id { mac-address | serial-number | system-name }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cdp | Configure CDP parameters |
| format | Device ID format for CDP |
| device-id | Device ID format for CDP |
| mac-address | Mac-address of the Chassis |
| serial-number | Chassis Serial Number/OUI |
| system-name | System name/Fully Qualified Domain Name (Default) |

**Command Mode**

- /exec/configure

# cdp holdtime

[no] cdp holdtime <i0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cdp | Configure CDP parameters |
| holdtime | CDP hold time advertised (in seconds) |
| *i0* | CDP hold time advertised (in seconds) |

**Command Mode**

- /exec/configure

# cdp timer

[no] cdp timer <i1>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cdp | Configure CDP parameters |
| timer | CDP refresh time interval (in seconds) |
| *i1* | CDP refresh time interval (in seconds) |

**Command Mode**

- /exec/configure

# certificate

certificate <file-name> <host-name> | no certificate

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| certificate | Specify certificate |
| *file-name* | .pem certificate filename |
| *host-name* | hostname associated with certificate |

**Command Mode**

- /exec/configure/telemetry

# cfs-dyn-app-name

[no] <cfs-dyn-app-name>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| *cfs-dyn-app-name* | Registered name of the local application |

**Command Mode**

- /exec/configure/cfs-region

# cfs clear message-context name session-id

cfs clear message-context name <cfs-dyn-app-name> session-id <i0>

**Syntax Description**

| | |
|---|---|
| cfs | CFS parameters |
| clear | clear message context |
| message-context | clear message context |
| name | clear message context for given application |
| *cfs-dyn-app-name* | Registered name of the local application |
| session-id | Seesion id of message context |
| *i0* | Seesion id |

**Command Mode**

- /exec

# cfs debug all

cfs debug all

**Syntax Description**

| | |
|---|---|
| cfs | CFS parameters |
| debug | Internal command for debugs |
| all | Internal command for debugs |

**Command Mode**

- /exec

# cfs distribute

[no] cfs distribute

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| distribute | Enable fabric wide distribution |

**Command Mode**

- /exec/configure

# cfs eth cos

{ cfs eth cos <i0> | no cfs eth cos [ <i0> ] }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| eth | ETH configurations |
| cos | Configure CFS Ethernet COS value |
| *i0* | COS Value Range |

**Command Mode**

- /exec/configure

# cfs eth distribute

[no] cfs eth distribute

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| eth | ETH configurations |
| distribute | Enable CFS distribution over Ethernet |

**Command Mode**

- /exec/configure

# cfs ipv4 distribute

[no] cfs ipv4 { distribute | mcast-address <ip0> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| ipv4 | IPv4 configurations |
| distribute | Enable CFS distribution over IPv4 |
| mcast-address | Configure IPv4 multicast address |
| *ip0* | Admin scope [239.255/16, 239.192/16-239.251/16] |

**Command Mode**

- /exec/configure

# cfs ipv6 distribute

[no] cfs ipv6 { distribute | mcast-address <ipv60> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| ipv6 | IPv6 configurations |
| distribute | Enable CFS distribution over IPv6 |
| mcast-address | Configure IPv6 multicast address |

**Command Mode**

- /exec/configure

# cfs merge all-fabrics name

cfs merge all-fabrics name <cfs-dyn-app-name> [ vsan <i0> ]

**Syntax Description**

| | |
|---|---|
| cfs | CFS parameters |
| merge | Resolve the merge failures |
| all-fabrics | Fabric wide within the scope of the application |
| name | Application name |
| *cfs-dyn-app-name* | Registered name of the local application |
| vsan | (Optional) For logical applications only |
| *i0* | (Optional) Vsan Id |

**Command Mode**

- /exec

# cfs region

[no] cfs region <i0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| region | Regions to limit the distribution scope of application(s) |
| *i0* | Region Id |

**Command Mode**

- /exec/configure

# change-password

change-password [ old-password <s1> new-password <s2> ]

**Syntax Description**

| | |
|---|---|
| change-password | Change your password |
| old-password | (Optional) Current password for the user |
| *s1* | (Optional) Current password for the user (clear text) |
| new-password | (Optional) New password for the user |
| *s2* | (Optional) New password for the user (clear text) |

**Command Mode**

- /exec

# channel-group

channel-group <channel-id> [ mode { active | passive | on } ]

**Syntax Description**

| | |
|---|---|
| channel-group | Configure port channel parameters |
| mode | (Optional) Specify channeling mode |
| active | (Optional) Set channeling mode to ACTIVE |
| passive | (Optional) Set channeling mode to PASSIVE |
| on | (Optional) Set channeling mode to ON |
| *channel-id* | Specify a port-channel number |

**Command Mode**

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

# channel-group

[no] channel-group [ <channel-id> [ mode { active | passive | on } ] ]

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| channel-group | Configure port channel parameters |
| mode | (Optional) Specify channeling mode |
| active | (Optional) Set channeling mode to ACTIVE |
| passive | (Optional) Set channeling mode to PASSIVE |
| on | (Optional) Set channeling mode to ON |
| *channel-id* | (Optional) Specify a port-channel number |

**Command Mode**

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

# channel-group

[no] channel-group

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| channel-group | Configure port channel parameters |

**Command Mode**

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

# channel-group force

channel-group <channel-id> force [ mode { active | passive | on } ] | no channel-group <channel-id> force [ mode { active | passive | on } ]

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| channel-group | add to/remove from a port-channel |
| *channel-id* | Specify a port-channel number |
| force | Forcefully add a port |
| mode | (Optional) Specify channeling mode |
| active | (Optional) Set channeling mode to ACTIVE |
| passive | (Optional) Set channeling mode to PASSIVE |
| on | (Optional) Set channeling mode to ON |

**Command Mode**

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

# chassis-serial

chassis-serial <chas-ser> | no chassis-serial

**Syntax Description**

| | |
|---|---|
| no | Negate the command |
| chassis-serial | Chassis serial number |
| *chas-ser* | Serial number |

**Command Mode**

- /exec/configure/fex

# checkpoint

checkpoint { [ <name> ] [ description <descr_str> ] | file <file_uri> }

**Syntax Description**

| | |
|---|---|
| checkpoint | Create configuration rollback checkpoint |
| *name* | (Optional) Checkpoint name |
| file | Create configuration rollback checkpoint to file |
| *file_uri* | Checkpoint file path |
| description | (Optional) checkpoint description for the given checkpoint |
| *descr_str* | (Optional) checkpoint description(can include spaces) |

**Command Mode**

- /exec

# checkpoint

[no] checkpoint <chkpoint_name>

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| checkpoint | Delete configuration rollback checkpoint |
| *chkpoint_name* | Checkpoint name |

**Command Mode**

- /exec

# cipher-suite

[no] cipher-suite <suite>

**Syntax Description**

| | |
|---|---|
| cipher-suite | Configure Cipher Suite |
| *suite* | Cipher Suite options |

**Command Mode**

- /exec/configure/macsec-policy

# class-map

[no] class-map [ type qos ] [ <any_or_all> ] <cmap-name>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class-map | Configure a class map |
| type | (Optional) Specify the type of this class-map |
| qos | (Optional) Qos class |
| *any_or_all* | (Optional) Enter match-any or match-all |
| *cmap-name* | class-map name |

**Command Mode**

- /exec/configure

# class-map type control-plane

[no] class-map type control-plane [ <opt_any_or_all> ] <cmap-name>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class-map | Configure a class map |
| type | Specify the type of this class-map |
| control-plane | Control-Plane |
| *opt_any_or_all* | (Optional) Enter match-any or match-all |
| *cmap-name* | Class-map name |

**Command Mode**

- /exec/configure

# class-map type network-qos

[no] class-map type network-qos [ match-any ] <cmap-name-nq>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class-map | Configure a class map |
| type | Specify the type of this class-map |
| network-qos | Network QoS class |
| match-any | (Optional) Match on any criteria |
| *cmap-name-nq* | class-map name |

**Command Mode**

- /exec/configure

# class-map type psp

[no] class-map type psp [ <any_or_all> ] { <cmap-name-plc> | { handle <ppf_id> } } [ sequence <seq_no> ] [ client <clienttype> <clientID> ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class-map | Configure a class map |
| type | Specify the type of this class-map |
| psp | PSP class |
| *any_or_all* | (Optional) Enter match-any or match-all |
| *cmap-name-plc* | class-map name |
| handle | Handle |
| *ppf_id* | PPF ID |
| sequence | (Optional) sequence |
| *seq_no* | (Optional) Sequence number |
| client | (Optional) set client type |
| *clienttype* | (Optional) cli/onep |
| *clientID* | (Optional) client appID |

**Command Mode**

- /exec/configure

# class-map type queuing

[no] class-map type queuing [ <any_or_all> ] { xxx <cmap-enum-name> | <cmap-dce-name> | zzz <cmap-name-hque> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class-map | Configure a class map |
| type | Specify the type of this class-map |
| queuing | Queuing class |
| *any_or_all* | (Optional) Enter match-any |
| *cmap-enum-name* | |
| xxx | xxx |
| zzz | zzz |
| *cmap-dce-name* | Queuing class-map name |
| *cmap-name-hque* | Hierarchical class-map name |

**Command Mode**

- /exec/configure

# class-map type queuing

[no] class-map type queuing { <cmap-dce-name> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class-map | Configure a class map |
| type | Specify the type of this class-map |
| queuing | Queuing class |
| *cmap-dce-name* | Queuing class-map name |

**Command Mode**

- /exec/configure

# class

[no] class [ type qos ] <cmap-name> [ insert-before [ type qos1 ] <cmap-name2> ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class | Policy Criteria |
| type | (Optional) Specify the type of class |
| qos | (Optional) Match on Qos class |
| *cmap-name* | class map name |
| insert-before | (Optional) Insert this class before another class |
| qos1 | (Optional) Insert before Qos class |
| *cmap-name2* | (Optional) class map name |

**Command Mode**

- /exec/configure/policy-map

# class

class { <cmap-name> [ insert-before <cmap-name2> ] | class-default } | no class { <cmap-name> | class-default }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| class | Attach class map to policy map |
| *cmap-name* | Class-map name |
| insert-before | (Optional) Insert this class before another class |
| *cmap-name2* | (Optional) class map name before which insertion should happen |
| class-default | Use class default |

**Command Mode**

- /exec/configure/pmap

# class __inline__

[no] class __inline__ [ type psp ] <cmap-name-plc> [ insert-before <cmap-name2> ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class | Policy Criteria |
| __inline__ | Inline Class |
| type | (Optional) Specify the type of class |
| psp | (Optional) Match on PSP class |
| *cmap-name-plc* | class map name |
| insert-before | (Optional) Insert this class before another class |
| *cmap-name2* | (Optional) class map name |

**Command Mode**

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

# class class-default

[no] class class-default

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class | Policy Criteria |
| class-default | System default class matching otherwise unclassified packets |

**Command Mode**

- /exec/configure/policy-map

# class type network-qos

[no] class type network-qos <cmap-name-nq>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class | Match on network-qos class-map |
| type | Specify the type of this class-map |
| network-qos | Network QoS policy |
| *cmap-name-nq* | Match class-map name |

**Command Mode**

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

# class type network-qos class-default

[no] class type network-qos class-default

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class | Match on network-qos class-map |
| type | Specify the type of this class-map |
| network-qos | Network QoS policy |
| class-default | System default class matching otherwise not classified cos values |

**Command Mode**

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

# class type psp

[no] class type psp { <cmap-name-plc> | { handle1 <ppf_id1> } } [ insert-before { <cmap-name2> | { handle2 <ppf_id2> } } ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| class | Policy Criteria |
| type | Specify the type of class |
| psp | Match on PSP class |
| *cmap-name-plc* | class map name |
| handle1 | Handle1 |
| *ppf_id1* | PPF ID1 |
| insert-before | (Optional) Insert this class before another class |
| *cmap-name2* | (Optional) class map name |
| handle2 | (Optional) Handle2 |
| *ppf_id2* | (Optional) PPF ID2 |

**Command Mode**

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

# class type queuing

[no] class type queuing { xxx <cmap-enum-name> | <cmap-dce-name> | zzz <cmap-name-hque> } [ insert-before type queuing1 yyy <xcmap-enum-name> ]

**Syntax Description**

| | |
|---|---|
| xxx | xxx |
| yyy | (Optional) yyy |
| zzz | zzz |
| no | (Optional) Negate a command or set its defaults |
| class | Policy Criteria |
| type | Specify the type of class |
| queuing | Match on Queuing class |
| *cmap-enum-name* | |
| *cmap-dce-name* | Queuing class-map name |
| *cmap-name-hque* | Hierarchical class-map name |
| insert-before | (Optional) Insert this class before another class |
| queuing1 | (Optional) Insert before Queuing class |
| *xcmap-enum-name* | (Optional) |

**Command Mode**

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

# clean ip bfd

clean ip bfd

**Syntax Description**

| | |
|---|---|
| clean | Clean internal datastructures |
| ip | IP related information |
| bfd | clean ip bfd datastructures |

**Command Mode**

- /exec

# clean ipv6 bfd

clean ipv6 bfd

**Syntax Description**

| | |
|---|---|
| clean | Clean internal datastructures |
| ipv6 | IPV6 related information |
| bfd | clean ip bfd datastructures |

**Command Mode**

- /exec

# clear

clear { { ip route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] } | { routing [ vrf { <vrf-name> | <vrf-known-name> } ] [ ip | ipv4 ] [ unicast ] [ topology <topology-name> ] } } { <all> | { { <ip-addr> | <ip-prefix> } [ <nh-addr> | <nh-addr-v6> ] [ <nh-interface> ] } } [ no-ufdm ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| route | Clear routing information |
| routing | Clear routing information |
| vrf | (Optional) Clear per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| vrf-all | (Optional) Display information for all VRFs |
| ip | Clear IP commands |
| ipv4 | (Optional) Clear IP commands |
| unicast | (Optional) Clear unicast information |
| topology | (Optional) Clear per-topology information |
| *topology-name* | (Optional) Topology name |
| all | Clear all routes |
| *ip-addr* | Clear single host route |
| *ip-prefix* | Clear single exact match route |
| *nh-addr* | (Optional) Clear single path |
| *nh-interface* | (Optional) Interface Name |
| no-ufdm | (Optional) Do not tell UFDM about the change |

**Command Mode**

- /exec

# clear

clear { { ipv6 route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] } | { routing [ vrf { <vrf-name> | <vrf-known-name> } ] ipv6 [ unicast ] [ topology <topology-name> ] } } { <all> | { { <ipv6-addr> | <ipv6-prefix> } [ <nh-addr> <nh-interface> ] } } [ no-ufdm ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| route | Clear routing information |
| routing | Clear routing information |
| vrf | (Optional) Clear per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| vrf-all | (Optional) Display information for all VRFs |
| ipv6 | Clear IPv6 commands |
| unicast | (Optional) Clear unicast information |
| topology | (Optional) Clear per-topology information |
| *topology-name* | (Optional) Topology name |
| all | Clear all routes |
| *nh-interface* | (Optional) Interface Name |
| no-ufdm | (Optional) Do not tell UFDM about the change |

**Command Mode**

- /exec

# clear

clear { { ip eigrp [ <eigrp-ptag> ] topology { { <address> <mask> } | { <prefix> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ] } | { ipv6 eigrp [ <eigrp-ptag> ] topology { <ipv6-prefix> } [ vrf { <vrf-name> | <vrf-known-name> | all } ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| topology | Clear IP-EIGRP topology table entry |
| *address* | Network to display information about |
| *mask* | Network mask |
| *prefix* | IP prefix <network>/<length>, e.g., 192.168.0.0/16 |
| *eigrp-ptag* | (Optional) |

**Command Mode**

- /exec

# clear

clear { { ip eigrp [ <eigrp-ptag> ] neighbors { * | <address> | <interface> } [ soft ] [ no-goodbye ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } | { ipv6 eigrp [ <eigrp-ptag> ] neighbors { * | <ipv6-addr> | <interface> } [ soft ] [ no-goodbye ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| neighbors | Clear EIGRP neighbors |
| * | Clear all EIGRP neighbors |
| *address* | IP-EIGRP neighbor address |
| *interface* | Interface |
| soft | (Optional) Soft reset |
| no-goodbye | (Optional) No goodbye |
| *eigrp-ptag* | (Optional) |

**Command Mode**

- /exec

# clear aaa local user blocked username

clear aaa local user blocked { username <s0> | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aaa | Configure aaa functions |
| local | Local username |
| user | Local system user |
| blocked | Clear blocked user |
| username | Blocked username |
| *s0* | Enter the username |
| all | Clear all the blocked users |

**Command Mode**

- /exec

# clear access-list counters

clear [ <ip_ipv6_mac> ] access-list counters [ <name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| *ip_ipv6_mac* | (Optional) IP/IPv6/MAC |
| access-list | Clear access list statistical information |
| counters | Clear access list counters |
| *name* | (Optional) List name |

**Command Mode**

- /exec

# clear access-list hardware counters

clear access-list hardware counters [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| access-list | Clear access list statistical information |
| hardware | hardware information |
| counters | Clear access list counters |
| module | (Optional) Slot/module |
| *module* | (Optional) Slot/module number |

**Command Mode**

- /exec

# clear access-list ipsg stats

clear access-list ipsg stats [ module <module> ] [ instance <instance_number> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| access-list | access-list |
| ipsg | ipsg |
| stats | Clear Statistics of IPSG drop entries |
| module | (Optional) Slot/module |
| *module* | (Optional) Slot/module number |
| instance | (Optional) ASIC Instance Number |
| *instance_number* | (Optional) ASIC Instance Number in Decimal |

**Command Mode**

- /exec

# clear accounting log

clear accounting log

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| accounting | Clear accounting log(s) in all vdcs |
| log | Clear the accounting log(s) in all vdcs |

**Command Mode**

- /exec

# clear aclqos cl-qos

clear aclqos cl-qos

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| cl-qos | cl-qos logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos fab

clear aclqos fab

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| fab | Fabric logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos fc

clear aclqos fc

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| fc | fc logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos libdrv

clear aclqos libdrv

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| libdrv | libdrv logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos map

clear aclqos map

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| map | map logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos merge

clear aclqos merge

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| merge | merge logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos pl

clear aclqos pl

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| pl | pl logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos ppf-parse

clear aclqos ppf-parse

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| ppf-parse | ppf-parse logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos ppf

clear aclqos ppf

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| ppf | ppf logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos qng-hw

clear aclqos qng-hw

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| qng-hw | Qng logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos qng

clear aclqos qng

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| qng | Qng logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos rl

clear aclqos rl

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| rl | RL logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos rm

clear aclqos rm

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| rm | RM logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos sch

clear aclqos sch

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| sch | Sch logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos stats

clear aclqos stats

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| stats | stats logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos tbl

clear aclqos tbl

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| tbl | tbl logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos trace-detail

clear aclqos trace-detail

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| trace-detail | detail logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos trace

clear aclqos trace

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| trace | trace logs of ACLQOS |

**Command Mode**

- /exec

# clear aclqos uf

clear aclqos uf

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| aclqos | Configure aclqos debug |
| uf | UF logs of ACLQOS |

**Command Mode**

- /exec

# clear bfd statistics

clear bfd statistics

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| bfd | bfd |
| statistics | statistics |

**Command Mode**

- /exec

# clear bgp

clear bgp { ipv4 { unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospf | rip } <tag> } | static | direct | amt | lisp | hmm | am ] } | { neighbor <neighbor-id> [ default-originate | { route-map | filter-list | prefix-list } { in | out } ] } | { dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | { vpnv4 | vpnv6 } unicast policy statistics { neighbor <neighbor-id> [ { route-map | filter-list | prefix-list } { in | out } ] } | ipv6 { unicast | multicast } policy statistics { { redistribute [ { { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp | hmm | am ] } | { neighbor { <neighbor-id> | <ipv6-neighbor-id> } [ default-originate | { route-map | filter-list | prefix-list } { in | out } ] } | { dampening } | { network <ipv6-prefix> } | { aggregate-address <ipv6-prefix> { suppress-map | advertise-map } } } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv4 | Clear IPv4 address-family |
| ipv6 | Clear IPv6 address-family |
| vpnv4 | Clear VPNv4 address-family |
| vpnv6 | Clear VPNv6 address-family |
| bgp | Clear BGP sessions |
| unicast | Clear unicast address-family |
| multicast | Clear multicast address-family |
| policy | Clear policy related information |
| statistics | Clear Route Filter statistics |
| redistribute | Statistics for redistribution |
| isis | (Optional) ISO IS-IS |
| ospf | (Optional) Open Shortest Path First (OSPF) |
| ospfv3 | (Optional) Open Shortest Path First v3 |
| rip | (Optional) Routing Information Protocol |
| eigrp | (Optional) Enhanced Interior Gateway Protocol |
| static | (Optional) Static routes |
| direct | (Optional) Directly connected |
| amt | (Optional) AMT anycast prefix |
| lisp | (Optional) LISP EID-prefixes in the non-default VRF |
| hmm | (Optional) HMM prefix |

| | |
|---|---|
| am | (Optional) AM routes (learned via ARP) |
| *tag* | (Optional) Source protocol tag |
| neighbor | Clear neighbor specific counters |
| *neighbor-id* | Neighbor IPv4 address |
| route-map | (Optional) Neighbor route-map |
| prefix-list | (Optional) Neighbor prefix-list |
| filter-list | (Optional) Neighbor filter-list |
| out | (Optional) Outbound policy |
| in | (Optional) Inbound policy |
| default-originate | (Optional) Default-originate policy |
| dampening | Clear dampening info |
| network | Configured IP prefix to advertise |
| aggregate-address | Configured BGP aggregate prefixes |
| suppress-map | Statistics of suppress policy |
| advertise-map | Statistics of advertise policy |
| *ip-addr* | IP network advertised |
| mask | Configured mask of the IP prefix advertised |
| *ip-mask* | Dotted 4-octet mask |
| *ip-prefix* | IP prefix in CIDR format |

**Command Mode**

- /exec

# clear bgp bmp stats server

clear bgp bmp stats server { <server-id> | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| bgp | Clear BGP sessions |
| bmp | Clear BMP |
| stats | Server Stats |
| server | BMP Server |
| *server-id* | Server ID |
| all | All BMP Servers |

**Command Mode**

- /exec

# clear bgp event-history

clear bgp event-history { <bgp-event-hist> | detail | periodic | errors | objstore | all | msgs }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| bgp | Clear BGP sessions |
| event-history | Clear event-history buffers |
| *bgp-event-hist* | Event History |
| errors | Show error logs of BGP |
| objstore | Show objstore logs of BGP |
| periodic | Show periodic logs of BGP |
| detail | Show detailed event logs |
| all | All event history buffers |
| msgs | Clear message logs of BGP |

**Command Mode**

- /exec

# clear bgp private

clear bgp private { all | global | threads | session | debug | io | memory | af | damp | lists | attr [ <ip-prefix> | <ipv6-prefix> ] | rpm-info [ <rpm-name> { <ip-prefix> | <ipv6-prefix> } ] | neighbor { <neighbor-id> | <ipv6-neighbor-id> } | slab | mqstat | ipc | rnh | rpm-attribute-cache | rpm-comm-attr-cache | peer-template <peer-template-name> | aggregates [ summary ] | bestpath }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| bgp | Clear BGP sessions |
| private | Clear internal BGP counters |
| all | Clear all info |
| global | Clear global info |
| threads | Clear thread info |
| session | Clear session info |
| debug | Clear debug info |
| io | Clear IO info |
| memory | Clear memory info |
| af | Clear AF info |
| damp | Clear dampening info |
| lists | Clear BGP internal lists |
| attr | Clear BGP attributes |
| rpm-info | Clear BGP policy outbound info |
| *ip-prefix* | (Optional) Clear attribute for a prefix |
| neighbor | Clear neighbor specific counters |
| *neighbor-id* | Neighbor IP address |
| *rpm-name* | (Optional) Route-map name |
| slab | Clear information about SLABs used |
| mqstat | Clear message queue stats |
| ipc | Clear ipc information |
| rnh | Clear recursive next hops |

| | |
|---|---|
| aggregates | Clear information about aggregates |
| rpm-attribute-cache | Clear rpm attribute cache statistics |
| rpm-comm-attr-cache | Clear rpm community attribute cache statistics |
| peer-template | Clear information about a peer-template |
| bestpath | Clear internal information about bestpath |
| summary | (Optional) Summary only |
| *peer-template-name* | Peer-template name |

**Command Mode**

- /exec

# clear bootvar log

clear bootvar log

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| bootvar | Clear the bootvar log |
| log | Clear the bootvar log |

**Command Mode**

- /exec

# clear cdp counters

clear cdp { counters [ interface <if0> ] | table [ interface1 <if1> ] }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cdp | Cisco Discovery Protocol |
| counters | Clear CDP counters on all interfaces |
| interface | (Optional) Clear CDP counters on an interface |
| *if0* | (Optional) |
| table | Clear CDP cache on all interfaces |
| interface1 | (Optional) Clear CDP cache on an interface |
| *if1* | (Optional) |

**Command Mode**

- /exec

# clear checkpoint database

clear checkpoint database [ user | system ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| checkpoint | Clear configuration rollback checkpoint |
| database | Clear configuration rollback checkpoint database |
| user | (Optional) Clear configuration rollback checkpoint database for user checkpoints |
| system | (Optional) Clear configuration rollback checkpoint database for system checkpoints |

**Command Mode**

- /exec

# clear cli history

clear cli history

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cli | debug cli |
| history | history of cli commands |

**Command Mode**

- /exec

# clear clis event-history objstr

clear clis event-history { objstr | objstr-errors }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| clis | cli server |
| event-history | Event history logs for clis |
| objstr | Log of Object Store events |
| objstr-errors | Log of Object Store error events |

**Command Mode**

- /exec

# clear controller accounting log

clear controller <ctrl-id> accounting log

**Syntax Description**

| | |
|---|---|
| clear | Show running system information |
| controller | Controller command |
| *ctrl-id* | Controller id value |
| accounting | Accounting |
| log | Clear log information |

**Command Mode**

- /exec

# clear copp statistics

clear copp statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| copp | Clear policy information for copp |
| statistics | Clear statistics |

**Command Mode**

- /exec

# clear cores

clear cores

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cores | clear all core dumps for the switch |

**Command Mode**

- /exec

# clear cores archive

clear cores archive [ file <s0> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cores | clear all cores for this vdc |
| archive | clear all core dump files for this vdc from logflash on this module |
| file | (Optional) delete a core file on logflash |
| *s0* | (Optional) Name of file in directory 'core |

**Command Mode**

- /exec

# clear counters

clear counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| counters | Clear counters |

**Command Mode**

- /exec

# clear counters buffers

clear counters buffers [ module <module> [ instance <instance> ] ] [ __readonly__ <clear_valid> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| counters | Clear counters |
| buffers | Clear system buffer max cell usage counter |
| module | (Optional) Slot/module |
| *module* | (Optional) Slot/module number |
| instance | (Optional) ASIC Instance Number |
| *instance* | (Optional) ASIC Instance Number in Decimal |
| __readonly__ | (Optional) Read Only |
| *clear_valid* | (Optional) Clear |

**Command Mode**

- /exec

# clear counters interface

clear counters interface <ifindex>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| counters | Clear counters |
| interface | Clear interface counters |
| *ifindex* | Clear interface counters |

**Command Mode**

- /exec

# clear counters interface all

clear counters interface all

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| counters | Clear counters |
| interface | Clear interface counters |
| all | Clear all interface counters |

**Command Mode**

- /exec

# clear counters interface snmp

clear counters interface <ifindex> snmp

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| counters | Clear counters |
| interface | Clear interface counters |
| *ifindex* | Clear interface counters |
| snmp | Clear snmp interface counters |

**Command Mode**

- /exec

# clear counters mpls strip

clear counters mpls strip

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mpls | Configure MPLS settings |
| strip | Stripping of MPLS headers |
| counters | stats/counters for labels |

**Command Mode**

- /exec

# clear cts cache

clear cts cache

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cts | Clear CTS parameters |
| cache | Clear CTS cache file |

**Command Mode**

- /exec

# clear cts policy

clear cts policy { all | peer <peer> | sgt <sgt> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cts | Clear CTS parameters |
| policy | Clear CTS policies |
| all | Clear all CTS policies |
| peer | Clear CTS policies by peer-id |
| *peer* | Peer identity |
| sgt | Clear CTS policies by sgt |
| *sgt* | sgt value |

**Command Mode**

- /exec

# clear cts role-based counters

clear cts role-based counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| cts | Show CTS related information |
| role-based | RBACL related information |
| counters | Clear counters for all RBACL policies |

**Command Mode**

- /exec

# clear debug-logfile

clear debug-logfile <s0>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| debug-logfile | Remove the debug logfile |
| *s0* | Provide name of the file |

**Command Mode**

- /exec

# clear debug logfile

clear debug logfile <s0>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| debug | Debugging functions |
| logfile | Remove the debug logfile |
| *s0* | Provide name of the file |

**Command Mode**

- /exec

# clear dot1x all

{ clear dot1x all } | { clear dot1x interface <if> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| dot1x | dot1x configuration commands |
| all | authenticator instances on all interfaces |
| *if* | target interface |

**Command Mode**

- /exec

# clear dot1x supplicant all

{ clear dot1x supplicant all } | { clear dot1x supplicant interface <if> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| dot1x | dot1x configuration commands |
| all | instances on all interfaces |
| supplicant | 802.1x supplicant |
| *if* | target interface |

**Command Mode**

- /exec

# clear eigrp event-history

clear eigrp [ <eigrp-ptag> ] event-history [ cli | notifications | all ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| eigrp | EIGRP clear commands |
| *eigrp-ptag* | (Optional) Process tag |
| event-history | Clear the event history buffers |
| notifications | (Optional) EIGRP Notifications |
| cli | (Optional) EIGRP CLI related events |
| all | (Optional) All event history buffers |

**Command Mode**

- /exec

# clear evb hosts

clear evb { hosts | vsi } [ force-standby ] *

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| evb | EVB (Edge Virtual Bridge) |
| hosts | Clear EVB host information |
| vsi | Clear EVB vsi information |
| force-standby | (Optional) Force to clear standby entries |
| * | Clear all entries (Should be a * character) |

**Command Mode**

- /exec

# clear evb hosts

clear evb { hosts | vsi } [ force-standby ] [ { [ mac <mac-addr> | interface <intf-name> | vlan <vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> ] + } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| evb | EVB (Edge Virtual Bridge) |
| hosts | Clear EVB host information |
| vsi | Clear EVB vsi information |
| force-standby | (Optional) Force to clear standby entries |
| mac | (Optional) Clear entries by filtering MAC address |
| *mac-addr* | (Optional) MAC Address |
| interface | (Optional) Clear entries by filtering interface |
| *intf-name* | (Optional) Interface name |
| vlan | (Optional) Clear entries by filtering VLAN |
| *vlan-id* | (Optional) VLAN ID |
| vni | (Optional) Clear entries by filtering VNI |
| *vni-id* | (Optional) VNI |
| ip | (Optional) Clear entries by filtering IP address |
| ipv6 | (Optional) Clear entries by filtering IPv6 address |
| *ip-addr* | (Optional) IPV4 host address |

**Command Mode**

- /exec

# clear evb statistics

clear evb statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| evb | EVB (Edge Virtual Bridge) |
| statistics | Clear EVB Statistics |

**Command Mode**

- /exec

# clear fabric database dci vrf node-id

clear fabric database dci vrf { <vrf-name> | <vrf-known-name> } node-id <mgmt-ip-address> [ peer-id <peer-ip-address> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | Fabric |
| database | Fabric Database |
| dci | DCI profile |
| vrf | Display per-VRF information |
| *vrf-name* | VRF name |
| *vrf-known-name* | Known VRF name |
| node-id | management ip address of this node |
| *mgmt-ip-address* | IP address in CIDR format |
| peer-id | (Optional) management ip address of peer |
| *peer-ip-address* | (Optional) IP address in CIDR format |

**Command Mode**

- /exec

# clear fabric database host all vni

{ clear fabric database host { all | { vni <vni-id> } | { dot1q <vlan-id> } } [ re-sync ] } | { clear fabric database host vni <vni-id> re-apply } | { clear fabric database client uuid <uuid> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | |
| database | |
| host | Active Host to profile mapping |
| vni | Virtual Network Identifier |
| *vni-id* | |
| dot1q | Dot1Q Encapsulation |
| *vlan-id* | |
| re-apply | Download new config parameters and re-apply |
| re-sync | (Optional) Force to sync the host entry |
| all | Remove all entries |
| client | Auto-config client |
| uuid | Auto-config client UUID |
| *uuid* | UUID |

**Command Mode**

- /exec

# clear fabric database host statistics

clear fabric database host statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | Fabric |
| database | Fabric Database |
| host | Auto-configured Hosts |
| statistics | Statistics |

**Command Mode**

- /exec

# clear fabric database include-vrf

clear fabric database include-vrf <vrf-name>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | |
| database | |
| include-vrf | Include VRF name |
| *vrf-name* | VRF name |

**Command Mode**

- /exec

# clear fabric database statistics

clear fabric database statistics [ type { network | profile | cabling | partition | bl-dci } [ server-proto ldap { ipv6 <ipv6addr> | ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ] ] ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | Fabric |
| database | Clear Fabric Database |
| statistics | Clear database statistics |
| type | (Optional) Enter database type |
| network | (Optional) Network Database |
| profile | (Optional) Port or Switch Profile Database |
| cabling | (Optional) Cable Management Database |
| partition | (Optional) Partition Database |
| bl-dci | (Optional) Border Leaf - DCI |
| server-proto | (Optional) Enter database protocol |
| ldap | (Optional) Use LDAP |
| ipv6 | (Optional) IPv6 address of server |
| ip | (Optional) IP address of server |
| *ipaddr* | (Optional) Enter IP address of server |
| host | (Optional) Hostname of server |
| *hostname* | (Optional) Enter hostname of server |
| port | (Optional) Port |
| *portnum* | (Optional) Enter port number |
| vrf | (Optional) vrf context |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear fabric database statistics type server-proto xmpp ip

clear fabric database statistics type { network | profile | cabling | partition | bl-dci } server-proto xmpp { ip <ipaddr> | host <hostname> } [ port <portnum> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | Fabric |
| database | Clear Fabric Database |
| statistics | Clear database statistics |
| type | Enter database type |
| network | Network Database |
| profile | Port or Switch Profile Database |
| cabling | Cable Management Database |
| partition | Partition Database |
| bl-dci | Border Leaf - DCI |
| server-proto | Enter database protocol |
| xmpp | Use XMPP |
| ip | IP address of server |
| *ipaddr* | Enter IP address of server |
| host | Hostname of server |
| *hostname* | Enter hostname of server |
| port | (Optional) Port |
| *portnum* | (Optional) Enter port number |
| vrf | (Optional) vrf context |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear fabric database statistics type server-proto radius group

clear fabric database statistics type { network | profile | cabling | partition | bl-dci } server-proto radius group <groupname>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabric | Fabric |
| database | Clear Fabric Database |
| statistics | Clear database statistics |
| type | Enter database type |
| network | Network Database |
| profile | Port or Switch Profile Database |
| cabling | Cable Management Database |
| partition | Partition Database |
| bl-dci | Border Leaf - DCI |
| server-proto | Enter database protocol |
| radius | Use RADIUS |
| group | AAA group |
| *groupname* | Enter AAA group name of servers |

**Command Mode**

- /exec

# clear fabricpath counters dropped

clear fabricpath counters dropped [ module <module> ] [ __readonly__ <mod_bmp> <vdc_id> <msg> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabricpath | clear fabricpath information |
| counters | Clear fabricpath counters |
| dropped | Packets dropped due to various vlan errors |
| module | (Optional) Specify one counter |
| *module* | (Optional) Module number |
| __readonly__ | (Optional) Read Only |
| *mod_bmp* | (Optional) Bitmap of valid modules |
| *vdc_id* | (Optional) Current VDC id |
| *msg* | (Optional) Message to give details about command execution |

**Command Mode**

- /exec

# clear fabricpath isis adjacency

clear fabricpath isis [ <l2mp-isis-tag> ] adjacency { * | { <interface> | system-id <sid> } + }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabricpath | Clear fabricpath information |
| isis | Fabricpath IS-IS information |
| *l2mp-isis-tag* | (Optional) Fabricpath domain tag |
| adjacency | Clear IS-IS adjacency state |
| * | IS-IS adjacencies on all interfaces |
| *interface* | IS-IS interface |
| system-id | Hostname or System ID |
| *sid* | Hostname or System ID (in the form of XXXX.XXXX.XXXX) |

**Command Mode**

- /exec

# clear fabricpath isis statistics

clear fabricpath isis [ <l2mp-isis-tag> ] statistics *

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabricpath | Clear fabricpath information |
| isis | Fabricpath IS-IS information |
| *l2mp-isis-tag* | (Optional) Fabricpath domain tag |
| statistics | Clear IS-IS protocol statistics |
| * | All IS-IS protocol statistics |

**Command Mode**

- /exec

# clear fabricpath isis traffic

clear fabricpath isis [ <l2mp-isis-tag> ] traffic { * | <interface> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fabricpath | Clear fabricpath information |
| isis | Fabricpath IS-IS information |
| *l2mp-isis-tag* | (Optional) Fabricpath domain tag |
| traffic | Clear IS-IS traffic information |
| * | All IS-IS traffic information |
| *interface* | IS-IS interface |

**Command Mode**

- /exec

# clear flow exporter

clear flow exporter [ name ] <exportername>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| flow | NetFlow information |
| exporter | Clear NetFlow exporter statistics |
| name | (Optional) The name of the exporter |
| *exportername* | Specify an exporter |

**Command Mode**

- /exec

# clear flow monitor

clear flow monitor [ name ] <monitorname> [ cache [ force-export ] | statistics ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| flow | NetFlow information |
| monitor | Clear monitor cache and statistics |
| name | (Optional) The name of the monitor |
| *monitorname* | Specify a monitor |
| cache | (Optional) Clear only monitor cache contents |
| force-export | (Optional) Force the cache entries to be exported |
| statistics | (Optional) Clear only the monitor cache statistics |

**Command Mode**

- /exec

# clear forwarding adjacency module

clear forwarding [ ip | ipv4 ] { adjacency } [ vrf <vrf-name> ] { <ip-addr> | all_routes } module { all_modules | <module> } [ force-delete ] [ no-urib ]

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | forwarding information |
| ip | (Optional) ipv4 |
| ipv4 | (Optional) ipv4 |
| adjacency | adjacency |
| vrf | (Optional) delete routes for a specific vrf |
| *vrf-name* | (Optional) VRF name |
| *ip-addr* | IPV4 source address |
| all_routes | delete all routes |
| module | module |
| all_modules | all module's |
| *module* | module number |
| no-urib | (Optional) Do not tell URIB about changes |
| force-delete | (Optional) Forcefully remove adj |

**Command Mode**

- /exec

# clear forwarding adjacency mpls stats

clear forwarding [ ip | ipv4 ] adjacency mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ <aif> ] [ <anh> ] [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| forwarding | forwarding |
| adjacency | display adjacency information |
| mpls | mpls adjacency information |
| stats | Clear adjacency statistics |
| vrf | (Optional) display info per VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| vrf-all | (Optional) Display information for all VRFs |
| ip | (Optional) ipv4 |
| ipv4 | (Optional) ipv4 |
| *aif* | (Optional) adjacency output interface |
| *anh* | (Optional) adjacency next hop |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding cumulative counter

clear forwarding cumulative counter [ all | v4_ucast_add | v4_ucast_del | v6_ucast_add | v6_ucast_del ] [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | clear |
| forwarding | forwarding information |
| cumulative | accumulated prefix add/delete count |
| counter | counter |
| all | (Optional) all |
| v4_ucast_add | (Optional) IPv4 unicast route add count |
| v4_ucast_del | (Optional) IPv4 unicast route delete count |
| v6_ucast_add | (Optional) IPv6 unicast route add count |
| v6_ucast_del | (Optional) IPv6 unicast route delete count |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding distribution lisp counters all

clear forwarding distribution lisp counters all

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | forwarding |
| distribution | fib distribution information |
| lisp | lisp application |
| counters | counters |
| all | all vrf's |

**Command Mode**

- /exec

# clear forwarding events-history

clear forwarding events-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| events-history | Events history |

**Command Mode**

- /exec

# clear forwarding inconsistency

clear forwarding [ ipv4 | ip ] [ unicast ] inconsistency

**Syntax Description**

| | |
|---|---|
| clear | clear |
| forwarding | forwarding |
| ip | (Optional) ipv4 |
| ipv4 | (Optional) ipv4 |
| unicast | (Optional) unicast |
| inconsistency | route inconsistency check |

**Command Mode**

- /exec

# clear forwarding ipv4 multicast counters

clear forwarding ipv4 multicast counters [ vrf { <vrf-name> | <vrf-known-name> | all } ] { [ group <gaddr> [ source <saddr> ] ] | [ source <saddr> [ group <gaddr> ] ] } [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | fib information |
| vrf | (Optional) Specify VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| ipv4 | Ipv4 |
| multicast | Multicast IPv4 information |
| counters | |
| group | (Optional) Multicast IPv4 Group specific info |
| *gaddr* | (Optional) Multicast IPv4 Group Address |
| source | (Optional) Multicast IPv4 Source specific info |
| *saddr* | (Optional) Multicast IPv4 Source Address |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding ipv6-l3-route-history

clear forwarding ipv6-l3-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| ipv6-l3-route-history | IPV6 L3 Route history |

**Command Mode**

- /exec

# clear forwarding ipv6 adjacency module

clear forwarding ipv6 adjacency [ vrf <vrf-name> ] { <ip-addr> | all_adjs } module { all_modules | <module> } [ force-delete ] [ no-urib ]

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | forwarding information |
| ipv6 | ipv6 |
| adjacency | adjacency |
| vrf | (Optional) delete routes for a specific vrf |
| *vrf-name* | (Optional) VRF name |
| all_adjs | delete all adjs |
| module | module |
| all_modules | all module's |
| *module* | module number |
| no-urib | (Optional) Do not tell URIB about changes |
| force-delete | (Optional) Forcefully remove adj |

**Command Mode**

- /exec

# clear forwarding ipv6 adjacency mpls stats

clear forwarding ipv6 adjacency mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ <aif> ] [ <anh> ] [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| forwarding | forwarding |
| ipv6 | ipv6 |
| adjacency | adjacency information |
| mpls | mpls adjacency information |
| stats | Clear adjacency statistics |
| vrf | (Optional) display info per VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| vrf-all | (Optional) Display information for all VRFs |
| *aif* | (Optional) adjacency output interface |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding ipv6 inconsistency

clear forwarding ipv6 [ unicast ] inconsistency

**Syntax Description**

| | |
|---|---|
| clear | clear |
| forwarding | forwarding |
| ipv6 | ipv6 |
| unicast | (Optional) unicast |
| inconsistency | route inconsistency check |

**Command Mode**

- /exec

# clear forwarding ipv6 multicast counters

clear forwarding ipv6 multicast counters [ vrf { <vrf-name> | <vrf-known-name> | all } ] { [ group <gaddr> [ source <saddr> ] ] | [ source <saddr> [ group <gaddr> ] ] } [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | fib information |
| vrf | (Optional) Specify VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| ipv6 | Ipv6 |
| multicast | Multicast IPv6 information |
| counters | |
| group | (Optional) Multicast IPv6 Group specific info |
| source | (Optional) Multicast IPv6 Source specific info |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding ipv6 route module

clear forwarding ipv6 { route } [ vrf <vrf-name> ] { <prefix> | all_routes } module { all_modules | <module> } [ no-urib ]

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | forwarding information |
| ipv6 | ipv6 |
| route | route |
| vrf | (Optional) delete routes for a specific vrf |
| *vrf-name* | (Optional) VRF name |
| all_routes | delete all routes |
| module | module |
| all_modules | all module's |
| *module* | module number |
| no-urib | (Optional) Do not tell URIB about changes |

**Command Mode**

- /exec

# clear forwarding l2-mc-route-history

clear forwarding l2-mc-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2-mc-route-history | L2 MacgRoute history |

**Command Mode**

- /exec

# clear forwarding l2-oiflist-history

clear forwarding l2-oiflist-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2-oiflist-history | L2 Oiflist history |

**Command Mode**

- /exec

# clear forwarding l2-route-history

clear forwarding l2-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2-route-history | L2 Route history |

**Command Mode**

- /exec

# clear forwarding l2mcast info l2-oiflist-history

clear forwarding l2mcast info l2-oiflist-history [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2mcast | l2mcast |
| info | L2mcast Internal Info |
| l2-oiflist-history | L2 oiflist history |
| module | (Optional) Slot |
| *num* | (Optional) Slot number |

**Command Mode**

- /exec

# clear forwarding l2mcast info l2-route-history

clear forwarding l2mcast info l2-route-history [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2mcast | l2mcast |
| info | L2mcast Internal Info |
| l2-route-history | L2 Route history |
| module | (Optional) Slot |
| *num* | (Optional) Slot number |

**Command Mode**

- /exec

# clear forwarding l2mcast info l2-xbar-history

clear forwarding l2mcast info l2-xbar-history [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2mcast | l2mcast |
| info | L2mcast Internal Info |
| l2-xbar-history | L2 Route history |
| module | (Optional) Slot |
| *num* | (Optional) Slot number |

**Command Mode**

- /exec

# clear forwarding l2mcast info statistics

clear forwarding l2mcast info statistics [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear all entries |
| forwarding | Forwarding Information |
| l2mcast | Layer-2 multicast |
| info | L2mcast Internal Info |
| statistics | L2mcast Internal Info Statistics |
| module | (Optional) Slot |
| *num* | (Optional) Slot number |

**Command Mode**

- /exec

# clear forwarding l2vpn trace member-history

clear forwarding l2vpn trace member-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l2vpn | L2VPN |
| trace | internal trace |
| member-history | member history |

**Command Mode**

- /exec

# clear forwarding l3-route-history

clear forwarding l3-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| l3-route-history | L3 Route history |

**Command Mode**

- /exec

# clear forwarding mpls drop-stats

clear forwarding mpls drop-stats

**Syntax Description**

| | |
|---|---|
| clear | Clear Statistics |
| forwarding | forwarding |
| mpls | mpls forwarding |
| drop-stats | Clear dropped packets stats |

**Command Mode**

- /exec

# clear forwarding mpls stats

clear forwarding mpls stats [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] [ table <table_id> ] [ [ label <label> | <prefix> | <v6prefix> ] | [ label-space <label-space-id> ] ] [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| forwarding | forwarding |
| mpls | mpls |
| stats | Clear Input Statistics |
| vrf | (Optional) display info per VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known vrf name |
| vrf-all | (Optional) Display information for all VRFs |
| table | (Optional) display info per vpn-id |
| *table_id* | (Optional) table number |
| label-space | (Optional) label space |
| *label-space-id* | (Optional) label space id |
| label | (Optional) mpls labels |
| *label* | (Optional) mpls label value |
| *prefix* | (Optional) Labels for single exact match route |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding mpls trace adj-history

clear forwarding mpls trace adj-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| mpls | mpls |
| trace | internal trace |
| adj-history | adjacency history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding mpls trace ecmp-history

clear forwarding mpls trace ecmp-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| mpls | mpls |
| trace | internal trace |
| ecmp-history | ECMP history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding mpls trace label-history

clear forwarding mpls trace label-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| mpls | mpls |
| trace | internal trace |
| label-history | label history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding mpls trace te-history

clear forwarding mpls trace te-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| mpls | mpls |
| trace | internal trace |
| te-history | TE history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding oiflist-history

clear forwarding oiflist-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| oiflist-history | Oiflist history |

**Command Mode**

- /exec

# clear forwarding otv oiflist-history

clear forwarding otv oiflist-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| otv | Display OTV information |
| oiflist-history | Oiflist history |

**Command Mode**

- /exec

# clear forwarding route module

clear forwarding [ ip | ipv4 ] { route } [ vrf <vrf-name> ] { <prefix> | all_routes } module { all_modules | <module> } [ no-urib ]

**Syntax Description**

| | |
|---|---|
| clear | |
| forwarding | forwarding information |
| ip | (Optional) ipv4 |
| ipv4 | (Optional) ipv4 |
| route | route |
| vrf | (Optional) delete routes for a specific vrf |
| *vrf-name* | (Optional) VRF name |
| *prefix* | delete specific prefix |
| all_routes | delete all routes |
| module | module |
| all_modules | all module's |
| *module* | module number |
| no-urib | (Optional) Do not tell URIB about changes |

**Command Mode**

- /exec

# clear forwarding trace ecmp-history

clear forwarding trace ecmp-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| ecmp-history | ECMP history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace mfib oif-history

clear forwarding trace mfib oif-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| oif-history | oif history |

**Command Mode**

- /exec

# clear forwarding trace mfib oiflist-history

clear forwarding trace mfib oiflist-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| oiflist-history | oiflist history |

**Command Mode**

- /exec

# clear forwarding trace mfib otv oif-history

clear forwarding trace mfib otv oif-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| otv | otv entries |
| oif-history | oif history |

**Command Mode**

- /exec

# clear forwarding trace mfib otv oiflist-history

clear forwarding trace mfib otv oiflist-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| otv | otv entries |
| oiflist-history | oiflist history |

**Command Mode**

- /exec

# clear forwarding trace mfib otv v4-route-history

clear forwarding trace mfib otv v4-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| otv | otv entries |
| v4-route-history | v4 route history |

**Command Mode**

- /exec

# clear forwarding trace mfib otv v6-route-history

clear forwarding trace mfib otv v6-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| otv | otv mfib entries |
| v6-route-history | v6 route history |

**Command Mode**

- /exec

# clear forwarding trace mfib platform oiflist-history

clear forwarding trace mfib platform oiflist-history

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| forwarding | Forwarding information |
| trace | internal trace |
| mfib | mfib entries |
| platform | platform information |
| oiflist-history | Oiflist history |

**Command Mode**

- /exec

# clear forwarding trace mfib v4-route-history

clear forwarding trace mfib v4-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | clear mfib entries |
| v4-route-history | v4 route history |

**Command Mode**

- /exec

# clear forwarding trace mfib v6-route-history

clear forwarding trace mfib v6-route-history

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| mfib | mfib entries |
| v6-route-history | v6 route history |

**Command Mode**

- /exec

# clear forwarding trace nve-ir-peer-history

clear forwarding trace nve-ir-peer-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| nve-ir-peer-history | NVE ir-peer history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace nve-l3-vni-history

clear forwarding trace nve-l3-vni-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| nve-l3-vni-history | NVE L3 VNI history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace nve-peer-history

clear forwarding trace nve-peer-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| nve-peer-history | NVE peer history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace otv-adj-history

clear forwarding trace otv-adj-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| otv-adj-history | otv adj history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace otv-vlan-history

clear forwarding trace otv-vlan-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| otv-vlan-history | otv vlan prefix history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace v4-adj-history

clear forwarding trace v4-adj-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| v4-adj-history | V4 adjacency history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace v4-pfx-history

clear forwarding trace v4-pfx-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| v4-pfx-history | V4 prefix history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace v4-rnh-history

clear forwarding trace v4-rnh-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| v4-rnh-history | V4 rnh history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace v6-adj-history

clear forwarding trace v6-adj-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| v6-adj-history | V6 adjacency history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace v6-pfx-history

clear forwarding trace v6-pfx-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| v6-pfx-history | V6 prefix history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace v6-rnh-history

clear forwarding trace v6-rnh-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| v6-rnh-history | V6 rnh history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear forwarding trace vobj-history

clear forwarding trace vobj-history [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear bintrace entries |
| forwarding | forwarding |
| trace | internal trace |
| vobj-history | vobj history |
| module | (Optional) slot |
| *module* | (Optional) slot number |

**Command Mode**

- /exec

# clear frame traffic

clear frame traffic

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| frame | Clear layer-2 frame statistics to/from the Route Processor |
| traffic | Clear layer-2 frame statistics to/from the Route Processor |

**Command Mode**

- /exec

# clear fs-daemon log

clear fs-daemon log

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| fs-daemon | Clear the fs daemon log |
| log | Clear the fs daemon log |

**Command Mode**

- /exec

# clear hardware flow ip

clear hardware flow ip [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| flow | Netflow Module |
| ip | Internet Protocol Version 4 |
| monitor | (Optional) Netflow Flow Monitor |
| *mname* | (Optional) Netflow Flow Monitor Name |
| profile | (Optional) Flow Profile |
| *prof_id* | (Optional) Netflow Profile ID |
| vlan | (Optional) Vlan commands |
| *vlan_id* | (Optional) VLAN ID 1-4094 |
| interface | (Optional) Interface |
| *interface* | (Optional) Interface Name |
| instance | (Optional) Instance |
| *inst* | (Optional) Earl Instance |
| force-export | (Optional) Force to export data to collector |
| module | (Optional) Line card module |
| *num* | (Optional) slot number |

**Command Mode**

- /exec

# clear hardware flow ipmac

clear hardware flow ipmac [ { { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } } ] [ instance <inst> ] [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| flow | Netflow Module |
| ipmac | IPv4+MAC |
| profile | (Optional) Flow Profile |
| *prof_id* | (Optional) Netflow Profile ID |
| vlan | (Optional) Vlan commands |
| *vlan_id* | (Optional) VLAN ID 1-4094 |
| interface | (Optional) Interface |
| *interface* | (Optional) Interface Name |
| instance | (Optional) Instance |
| *inst* | (Optional) Earl Instance |
| module | (Optional) Line card module |
| *num* | (Optional) slot number |

**Command Mode**

- /exec

# clear hardware flow ipv6

clear hardware flow ipv6 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| flow | Netflow Module |
| ipv6 | Internet Protocol Version 6 |
| monitor | (Optional) Netflow Flow Monitor |
| *mname* | (Optional) Netflow Flow Monitor Name |
| profile | (Optional) Flow Profile |
| *prof_id* | (Optional) Netflow Profile ID |
| vlan | (Optional) Vlan commands |
| *vlan_id* | (Optional) VLAN ID 1-4094 |
| interface | (Optional) Interface |
| *interface* | (Optional) Interface Name |
| instance | (Optional) Instance |
| *inst* | (Optional) Earl Instance |
| force-export | (Optional) Force to export data to collector |
| module | (Optional) Line card module |
| *num* | (Optional) slot number |

**Command Mode**

- /exec

# clear hardware flow l2

clear hardware flow l2 [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| flow | Netflow Module |
| l2 | Layer 2 Protocol |
| monitor | (Optional) Netflow Flow Monitor |
| *mname* | (Optional) Netflow Flow Monitor Name |
| profile | (Optional) Flow Profile |
| *prof_id* | (Optional) Netflow Profile ID |
| vlan | (Optional) Vlan commands |
| *vlan_id* | (Optional) VLAN ID 1-4094 |
| instance | (Optional) Instance |
| *inst* | (Optional) Earl Instance |
| force-export | (Optional) Force to export data to collector |
| module | (Optional) Line card module |
| *num* | (Optional) slot number |

**Command Mode**

- /exec

# clear hardware flow mpls

clear hardware flow mpls [ { { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } } ] [ instance <inst> ] [ force-export ] [ module <num> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| flow | Netflow Module |
| mpls | MPLS Protocol |
| monitor | (Optional) Netflow Flow Monitor |
| *mname* | (Optional) Netflow Flow Monitor Name |
| profile | (Optional) Flow Profile |
| *prof_id* | (Optional) Netflow Profile ID |
| vlan | (Optional) Vlan commands |
| *vlan_id* | (Optional) VLAN ID 1-4094 |
| interface | (Optional) Interface |
| *interface* | (Optional) Interface Name |
| instance | (Optional) Instance |
| *inst* | (Optional) Earl Instance |
| force-export | (Optional) Force to export data to collector |
| module | (Optional) Line card module |
| *num* | (Optional) slot number |

**Command Mode**

- /exec

# clear hardware ip verify

clear hardware [ forwarding ] ip verify { all | address { source { broadcast | multicast } | class-e | destination { zero } | identical | reserved } | checksum | protocol | fragment | length { minimum | consistent | maximum { max-frag | udp | max-tcp } } | tcp { tiny-frag } | version } [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| forwarding | (Optional) Show hardware information for forwarding path |
| ip | IPv4 and IPv6 protocols |
| verify | IP packet validation checks in hardware |
| class-e | Class E IDS check |
| all | All IP packet validation checks |
| address | IPv4 and IPv6 Source and destination address validation |
| source | Check source address |
| broadcast | Source address is 255.255.255.255 |
| multicast | Source address is 224.x.x.x |
| destination | Check destination address |
| zero | Destination address is 0.0.0.0 |
| identical | Same IP SA and DA |
| reserved | Source address is 127.x.x.x |
| checksum | Verify IPv4 and IPv6 packet checksum |
| protocol | Verify IP procotol |
| fragment | Check IPv4 and IPv6 fragment with non-zero offset and DF bit active |
| length | Validate IPv4 packet header and payload length |
| minimum | Minimum IPv4 header length |
| consistent | Actual frame size is equal to or more than IPv4 length plus ethernet header |
| maximum | Check max fragment offset and payload length |
| max-frag | Fragment offset field value |

| | |
|---|---|
| udp | Maximum UDP length has to be less than IPv4 payload length |
| max-tcp | Maximum TCP length has to be less than IPv4 payload length |
| tcp | Validate TCP packet header |
| tiny-frag | Check TCP tiny fragment |
| version | Must be 4 for an ethertype of IPv4 (0x0800) |
| module | (Optional) Specify a module number |
| *module* | (Optional) Specify a module number |

**Command Mode**

- /exec

# clear hardware rate-limiter

clear hardware rate-limiter { all | layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts> | f1 <f1-opts> | span-egress } [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hardware | Show hardware information |
| rate-limiter | Clear Rate-Limiter statistics |
| all | Clear all Rate-Limiter statistics |
| layer-3 | Layer-3 control and Routed packets |
| *l3-opts* | |
| multicast | Multicast data packets |
| *mcast-opts* | |
| layer-2 | Layer-2 control and Bridged packets |
| *l2-opts* | |
| *opts* | |
| f1 | Control packets from F1 modules to supervisor |
| *f1-opts* | |
| span-egress | SPAN/ERSPAN egress packets |
| module | (Optional) Specify a module number |
| *module* | (Optional) Specify a module number |

**Command Mode**

- /exec

# clear hsrp counters clear hsrp state-history

clear hsrp counters [ <value> ] | clear hsrp state-history [ interface <interface-id> ] [ group <group-id> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| hsrp | HSRP commands |
| counters | Internal counters |
| *value* | (Optional) Counter to be cleared |
| state-history | Clear Groups' state history |
| interface | (Optional) Groups on this interface |
| *interface-id* | (Optional) Interface |
| group | (Optional) Group number |
| *group-id* | (Optional) Group Number |

**Command Mode**

- /exec

# clear icmpv6 cache

clear icmpv6 cache { { interface [ <intf> ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| icmpv6 | ICMPv6 Commands |
| cache | Clear icmpv6 cache |
| interface | Clear icmpv6 interface information |
| *intf* | (Optional) Interface name to clear |

**Command Mode**

- /exec

# clear install all failed-standby

clear install all failed-standby

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| install | Clear the installer log |
| all | Clear the install all log |
| failed-standby | Clear the failed-standby log |

**Command Mode**

- /exec

# clear install failure-reason

clear install failure-reason

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| install | Clear the installer log |
| failure-reason | Clear the install failure-reason log |

**Command Mode**

- /exec

# clear install log-history all

clear install log-history { all | oldest <i0> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| install | Install related show commands |
| log-history | Patch installer historical logs |
| all | Delete complete history log |
| oldest | oldest Delete the oldest <n> install log-history points |
| *i0* | Number of log-history points to delete |

**Command Mode**

- /exec

# clear install status

clear install status

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| install | Clear the installer log |
| status | Clear the installer status log |

**Command Mode**

- /exec

# clear ip

clear ip { netstack mroute | mroute data-created } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| netstack | Netstack's local cache |
| mroute | Clear multicast routing table |
| data-created | Clear all Data-created PIM ASM (S,G) routes |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all sources matching the Group |
| *source* | (Optional) Clear a (S,G) route |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip adjacency cache

clear ip adjacency cache { { interface [ <intf> ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| adjacency | Configure Adjmgr |
| cache | Clear adjacency cache |
| interface | Clear adjacency interface information |
| *intf* | (Optional) Interface name to clear |

**Command Mode**

- /exec

# clear ip adjacency no-ufdm

clear ip adjacency [ vrf { <vrf-name> | <vrf-known-name> } ] { <ip-addr> | * } no-ufdm

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| adjacency | Clear Adjacency |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| *ip-addr* | IPV4 source address |
| * | Delete all adjacency in this context |
| no-ufdm | Create inconsistancy in adjacency |

**Command Mode**

- /exec

# clear ip adjacency statistics

clear ip adjacency statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| adjacency | Clear Adjacency |
| statistics | Clear Adjacency Statistics |

**Command Mode**

- /exec

# clear ip amt tunnel

clear ip amt tunnel [ <address4> <port> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | AMT clear commands |
| amt | AMT show commands |
| ip | Display IP information |
| tunnel | Display tunnel information |
| vrf | (Optional) Display information for VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| *address4* | (Optional) IP address of tunnel endpoint |
| *port* | (Optional) UDP port number of gateway |

**Command Mode**

- /exec

# clear ip arp

clear ip arp [ <interface> | <ip-address> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ force-delete ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Clear ARP table and statistics |
| *interface* | (Optional) ARP interface |
| *ip-address* | (Optional) IP address |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Clear ARP entries for all vrfs |
| force-delete | (Optional) Clear the entries from ARP table without refresh |

**Command Mode**

- /exec

# clear ip arp cache

clear ip arp cache { { interface [ <intf> ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | arp |
| cache | Clear arp cache |
| interface | Clear arp interface information |
| *intf* | (Optional) Interface name to clear |

**Command Mode**

- /exec

# clear ip arp controller-statistics

clear ip arp controller-statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Display IP information |
| arp | Display ARP table and statistics |
| controller-statistics | Controller statistics |

**Command Mode**

- /exec

# clear ip arp event-history

clear ip arp event-history { packet | event | sync-event | ip-sync-event | control | ha | errors | lcache | lcache-errors | client-event | client-errors | snmp | cli | suppression-event | suppression-errors | controller-errors | dme-event | all } [ dump-to-file ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | ARP events |
| event-history | Clear the event history buffers |
| packet | inst packet logs |
| event | Internal event logs |
| sync-event | CFS and MCECM related event logs |
| ip-sync-event | L3 over vpc related event logs |
| control | ARP control event logs |
| ha | HA and GR logs |
| errors | inst error logs |
| lcache | lcache logs |
| lcache-errors | lcache_error logs |
| client-event | Client_event logs |
| client-errors | Client_error logs |
| cli | clear cli logs |
| snmp | SNMP logs |
| suppression-event | ARP suppression event logs |
| suppression-errors | ARP suppression error logs |
| controller-errors | Controller MAC-IP route error logs |
| dme-event | ARP DME event logs |
| all | All event history buffers |
| dump-to-file | (Optional) Dump the Arp event history logs into the file |

**Command Mode**

- /exec

# clear ip arp inspection log

clear ip arp inspection log

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| arp | Clear State of ARP features |
| inspection | Clear State of ARP Inspection |
| log | Log Buffer |

**Command Mode**

- /exec

# clear ip arp inspection statistics vlan

clear ip arp inspection statistics vlan <vlan-id>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| arp | Clear State of ARP features |
| inspection | Clear State of ARP Inspection |
| statistics | Statistics |
| vlan | Vlan range |
| *vlan-id* | VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19 |

**Command Mode**

- /exec

# clear ip arp multihoming-statistics

clear ip arp multihoming-statistics [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Clear ARP table and statistics |
| *interface* | (Optional) ARP interface |
| multihoming-statistics | Display ARP Multihoming stats |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Clear ARP Multihoming statistics for all vrfs |

**Command Mode**

- /exec

# clear ip arp static-arps-outside-subnet-count

clear ip arp static-arps-outside-subnet-count

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Display ARP table and statistics |
| static-arps-outside-subnet-count | Clear static ARPs outside subnet count |

**Command Mode**

- /exec

# clear ip arp statistics

clear ip arp statistics [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Clear ARP table and statistics |
| *interface* | (Optional) ARP interface |
| statistics | Clear ARP statistics |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Clear ARP statistics for all vrfs |

**Command Mode**

- /exec

# clear ip arp suppression-cache statistics

clear ip arp suppression-cache statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Clear ARP table and statistics |
| suppression-cache | ARP-suppression cache |
| statistics | clear suppression statistics |

**Command Mode**

- /exec

# clear ip arp tunnel-statistics

clear ip arp tunnel-statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Display ARP table and statistics |
| tunnel-statistics | Clear ARP statistics for tunneled packets |

**Command Mode**

- /exec

# clear ip arp vpc-statistics

clear ip arp vpc-statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| arp | Display ARP table and statistics |
| vpc-statistics | Clear ARP vPC statistics |

**Command Mode**

- /exec

# clear ip cache

clear ip cache { { interface [ <intf> ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| cache | Clear ip cache |
| interface | Clear ip interface information |
| *intf* | (Optional) Interface name to clear |

**Command Mode**

- /exec

# clear ip dhcp global statistics

clear ip dhcp global statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| dhcp | Clear State of DHCP features |
| global | Clear State of DHCP global stats |
| statistics | DHCP snooping statistics |

**Command Mode**

- /exec

# clear ip dhcp relay statistics

clear ip dhcp relay statistics [ interface <intf> | { interface <intf> serverip <ip-addr-val> [ use-vrf <vrf-name> ] } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| dhcp | Clear State of DHCP features |
| relay | Clear State of DHCP relay stats |
| statistics | DHCP Relay statistics |
| interface | (Optional) input interface |
| *intf* | (Optional) interface |
| serverip | (Optional) Helper address |
| *ip-addr-val* | (Optional) IP address |
| use-vrf | (Optional) helper address VRF membership |
| *vrf-name* | (Optional) VRF name |

**Command Mode**

- /exec

# clear ip dhcp snooping binding

clear ip dhcp snooping binding [ { vlan <vlan-id> mac <mac-addr> ip <ip-addr> interface <interface-id> } |

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| dhcp | Clear State of DHCP features |
| snooping | Clear State of DHCP Snooping |
| binding | DHCP snooping bindings |
| vlan | (Optional) VLAN |
| *vlan-id* | (Optional) VLAN id |
| mac | (Optional) MAC address |
| *mac-addr* | (Optional) MAC address |
| ip | (Optional) IP address |
| *ip-addr* | (Optional) IP address |
| interface | (Optional) interface |
| *interface-id* | (Optional) interface |

**Command Mode**

- /exec

# clear ip dhcp snooping statistics

clear ip dhcp snooping statistics [ { vlan <vlan-id> interface <intf> } |

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| dhcp | Clear State of DHCP features |
| snooping | Clear State of DHCP snooping stats |
| statistics | DHCP snooping statistics |
| vlan | (Optional) VLAN |
| *vlan-id* | (Optional) VLAN id |
| interface | (Optional) input interface |
| *intf* | (Optional) interface |

**Command Mode**

- /exec

# clear ip dns all config

clear ip dns all config

**Syntax Description**

| | |
|---|---|
| clear | Clear entries |
| ip | Configure ip feature |
| dns | DNS related config |
| all | All DNS related content |
| config | Domain-name, name-server, domain-list, sortlist, options, results |

**Command Mode**

- /exec

# clear ip dns use-vrf config

clear ip dns use-vrf config

**Syntax Description**

| | |
|---|---|
| clear | Clear entries |
| ip | Configure ip feature |
| dns | DNS related config |
| use-vrf | Config with keyword use-vrf |
| config | Domain-name, name-server, domain-list |

**Command Mode**

- /exec

# clear ip eigrp accounting

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] accounting [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| accounting | Clear IP-EIGRP accounting statistics |

**Command Mode**

- /exec

# clear ip eigrp event-history

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] event-history [ fsm | packet | rib | all ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| *eigrp-ptag* | (Optional) Process tag |
| event-history | Clear the event history buffers |
| fsm | (Optional) FSM log of EIGRP |
| packet | (Optional) Packet log of EIGRP |
| rib | (Optional) RIB log of EIGRP |
| all | (Optional) All event history buffers |

**Command Mode**

- /exec

# clear ip eigrp event-history bfd

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] event-history bfd

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| *eigrp-ptag* | (Optional) Process tag |
| event-history | Clear the event history buffers |
| bfd | Show bfd log of EIGRP |

**Command Mode**

- /exec

# clear ip eigrp events

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] events [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| events | Clear IP-EIGRP event logs |

**Command Mode**

- /exec

# clear ip eigrp logging

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] logging [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| logging | Stop IP-EIGRP event logging |

**Command Mode**

- /exec

# clear ip eigrp redistribution

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| *eigrp-ptag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| redistribution | Clear EIGRP redistributed information |

**Command Mode**

- /exec

# clear ip eigrp route-map statistics redistribute

clear ip eigrp [ <eigrp-ptag> ] route-map statistics redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static | direct | amt | lisp } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| route-map | Route-map related information |
| statistics | Route-map statistics |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| *as* | Autonomous system number |
| isis | IS-IS Routing for IPv4 |
| ospf | Open Shortest Path First (OSPF) |
| rip | Routing Information Protocol (RIP) |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| *tag* | Process tag |
| static | Static routes |
| direct | Directly connected |
| amt | AMT Anycast prefix |
| lisp | LISP EID-prefixes |

**Command Mode**

- /exec

# clear ip eigrp traffic

clear { ip | ipv6 } eigrp [ <eigrp-ptag> ] traffic [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| traffic | Clear IP-EIGRP traffic statistics |

**Command Mode**

- /exec

# clear ip ftm statistics

clear ip ftm statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ftm | FTM API |
| statistics | Statistics |

**Command Mode**

- /exec

# clear ip igmp event-history

clear ip igmp event-history [ <igmp-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP related information |
| event-history | Clear event-history buffers |
| *igmp-event-hist-buf-name* | (Optional) Event hist buffer name |

**Command Mode**

- /exec

# clear ip igmp groups

clear ip igmp { groups | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP related information |
| groups | Route information |
| route | Route information |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all routes matching the Group |
| *source* | (Optional) Clear a (S,G) route |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip igmp interface statistics

clear ip igmp interface statistics [ <interface> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP statistics information |
| interface | Interface related information |
| statistics | Packet/internal counter statistics |
| *interface* | (Optional) Specific interface only |

**Command Mode**

- /exec

# clear ip igmp snooping event-history

clear ip igmp snooping event-history [ <igmp-snoop-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| event-history | Clear event history buffers |
| *igmp-snoop-event-hist-buf-name* | (Optional) Event history buffer name |

**Command Mode**

- /exec

# clear ip igmp snooping explicit-tracking

clear ip igmp snooping explicit-tracking { vlan { <vlan> | all } | bridge-domain { <bdid> | all } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| explicit-tracking | Clear Explicit Host tracking information |
| vlan | Clear explicit tracking information for VLAN |
| *vlan* | Specify VLAN |
| bridge-domain | Clear explicit tracking information for BD |
| *bdid* | Specify BD |
| all | Clear for all vlans/BD |

**Command Mode**

- /exec

# clear ip igmp snooping groups

clear ip igmp snooping groups { <all> | { <group-prefix> | <group> } [ <source> ] } [ interface <if-name> ] { vlan { <vlan> | all } | bridge-domain { <bdid> | all } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| groups | Clear snooped groups |
| all | Clear all groups |
| *group-prefix* | Group prefix to clear |
| *group* | Group address to clear |
| *source* | (Optional) Source address to clear |
| interface | (Optional) Specify interface to clear group state |
| *if-name* | (Optional) Interface name to clear |
| vlan | Clear information for VLAN |
| *vlan* | Specify the VLAN number |
| bridge-domain | Clear information for BD |
| *bdid* | Specify the BD number |
| all | Clear for all VLAN/BDs |

**Command Mode**

- /exec

# clear ip igmp snooping proxy querier ports vlan

clear ip igmp snooping proxy querier ports { vlan <vlan> | bridge-domain <bdid> } <if-name> [ purge ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| proxy | Clear IGMP snooping proxy |
| querier | Clear IGMP snooping proxy querier |
| ports | Clear IGMP snooping proxy querier ports |
| vlan | Clear for a specific vlan |
| *vlan* | Specify the VLAN number |
| bridge-domain | Clear for a specific BD |
| *bdid* | Specify the BD number |
| *if-name* | Interface name to clear |
| purge | (Optional) Remove port from priority list |

**Command Mode**

- /exec

# clear ip igmp snooping report statistics

clear ip igmp snooping { report-policy | access-group } statistics [ vlan <vlan> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| report-policy | IGMP Report Policy |
| access-group | IGMP access-group |
| statistics | Policy statistics |
| vlan | (Optional) Clear VLAN IGMP snooping policy statistics information |
| *vlan* | (Optional) Specify VLAN |

**Command Mode**

- /exec

# clear ip igmp snooping statistics

clear ip igmp snooping statistics { vlan <vlan> | bridge-domain <bdid> | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| statistics | Packet/internal counter statistics |
| vlan | Clear VLAN statistics |
| *vlan* | Specify VLAN |
| bridge-domain | Clear BD statistics |
| *bdid* | Specify BD |
| all | All VLAN/BDs |

**Command Mode**

- /exec

# clear ip igmp snooping vpc peer-link-exclude

clear ip igmp snooping vpc peer-link-exclude { vlan <vlan> | bridge-domain <bdid> | all } [ group <group-addr> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| igmp | Clear IGMP Snooping |
| snooping | Clear IGMP Snooping |
| vpc | Clear vPC information |
| peer-link-exclude | Clear vPC peer-link Exclude state |
| vlan | Clear vpc peer-link Exclude state for VLAN |
| *vlan* | Specify VLAN |
| bridge-domain | Clear vpc peer-link Exclude state for BD |
| *bdid* | Specify BD |
| all | All VLAN/BDs |
| group | (Optional) Clear vpc peer-link Exclude state for VLAN/BD |
| *group-addr* | (Optional) Specify Group address |

**Command Mode**

- /exec

# clear ip interface statistics

clear ip interface statistics [ <interface> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| interface | Clear IP related interface information |
| statistics | Clear IP interface statistics |
| *interface* | (Optional) Clear IP statistics for interface |

**Command Mode**

- /exec

# clear ip lisp data-cache

clear ip lisp data-cache [ <eid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| lisp | LISP clear commands |
| data-cache | Clear EID-to-RLOC data cache mapping in this ITR |
| *eid* | (Optional) Clear mapping for IP destination EID |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ip lisp map-cache

{ { clear ip lisp map-cache [ <eid-prefix> ] [ vrf { <vrf-name> | <vrf-known-name> } ] } | { clear ipv6 lisp map-cache [ <eid-prefix6> ] [ vrf { <vrf-name> | <vrf-known-name> } ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ipv6 | Clear IPv6 commands |
| lisp | LISP clear commands |
| map-cache | Clear an EID-to-RLOC cache mapping in this ITR |
| vrf | (Optional) Clear entry for particular vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| *eid-prefix* | (Optional) Clear entry associated with IP EID-prefix |

**Command Mode**

- /exec

# clear ip lisp statistics

clear ip lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| lisp | LISP clear commands |
| statistics | Clear global LISP statistics |
| vrf | (Optional) Clear statistics for vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ip mbgp dampening

{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] ipv4 { unicast | multicast } dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all dampening } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | vpnv4 unicast } dampening [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv6 { unicast | multicast } | vpnv6 unicast } dampening [ <ipv6-prefix> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all dampening } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| vrf | (Optional) Virtual Router Context |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| bgp | Clear BGP sessions |
| mbgp | Clear MBGP sessions |
| dampening | Clear route flap dampening information |
| *ip-prefix* | (Optional) Clear route flap dampening for prefix |
| *ip-addr* | (Optional) Clear route flap dampening for one network |
| *ip-mask* | (Optional) Network mask |
| ipv4 | Clear IPv4 address-family |
| ipv6 | Clear IPv6 address-family |
| vpnv4 | Clear VPNv4 address-family |
| vpnv6 | Clear VPNv6 address-family |
| unicast | Clear unicast address-family |
| multicast | Clear multicast address-family |
| all | Clear all address-families |

**Command Mode**

- /exec

# clear ip mbgp flap-statistics

{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] ipv4 { unicast | multicast } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all flap-statistics } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast } | vpnv4 unicast } flap-statistics [ <ip-prefix> | <ip-addr> [ <ip-mask> ] | regexp <regexp-str> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv6 { unicast | multicast } | vpnv6 unicast } flap-statistics [ <ipv6-prefix> | regexp <regexp-str> ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] all flap-statistics } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vrf | (Optional) Virtual Router Context |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| ip | Clear IP commands |
| bgp | Clear BGP sessions |
| mbgp | Clear MBGP sessions |
| flap-statistics | Clear flap statistics |
| *ip-prefix* | (Optional) Clear flap statistics for one prefix |
| *ip-addr* | (Optional) Clear flap statistics for one network |
| *ip-mask* | (Optional) Network mask |
| ipv4 | Clear IPv4 address-family |
| ipv6 | Clear IPv6 address-family |
| vpnv4 | Clear VPNv4 address-family |
| vpnv6 | Clear VPNv6 address-family |
| unicast | Clear unicast address-family |
| multicast | Clear multicast address-family |
| all | Clear all address-families |
| regexp | (Optional) Clear flap statistics for routes matching the regular expression |

| | |
|---|---|
| *regexp-str* | (Optional) Regular expression to match the AS paths |

**Command Mode**

- /exec

# clear ip mbgp peer-template

{ { clear ip mbgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { <neighbor-id> | * | <asn> | <prefix-id> peer-template <peer-template-name> } [ soft [ in | out ] | dampened-paths | flap-statistics | no-notify ] } | { clear ip bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { <neighbor-id> | * | <asn> | <prefix-id> | peer-template <peer-template-name> } [ soft [ in | out ] | dampened-paths | flap-statistics | no-notify | { ipv4 { unicast | multicast } | { vpnv4 | vpnv6 } unicast | all } { soft [ in | out ] | dampened-paths | flap-statistics | no-notify } ] } | { clear bgp [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ] { ipv4 { unicast | multicast | mvpn | labeled-unicast } | ipv6 { unicast | multicast | mvpn | labeled-unicast } | { vpnv4 | vpnv6 } unicast | l2vpn vpls | l2vpn evpn | link-state | all } { <neighbor-id> | <ipv6-neighbor-id> | * | <asn> | peer-template <peer-template-name> | <prefix-id> | <ipv6-prefix-id> } [ soft [ in | out ] | dampened-paths | flap-statistics | no-notify ] } } [ vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| vrf | (Optional) Virtual Router Context |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| bgp | Clear BGP sessions |
| mbgp | Clear MBGP sessions |
| *neighbor-id* | IP address of the neighbor to clear |
| *prefix-id* | Clear all neighbors matching the prefix |
| * | Clear all neighbors (Should be a * character) |
| *asn* | Clear all neighbors in an AS |
| peer-template | Clear all neighbors in a peer-template |
| *peer-template-name* | Peer-template name |
| soft | (Optional) Soft reconfiguration |
| in | (Optional) Clear soft reconfiguration inbound |
| out | (Optional) Clear soft reconfiguration outbound |
| ipv4 | (Optional) Clear IPv4 address-family |
| ipv6 | Clear IPv6 address-family |
| vpnv4 | (Optional) Clear VPNv4 address-family |

| | |
|---|---|
| vpnv6 | (Optional) Clear VPNv6 address-family |
| unicast | (Optional) Clear unicast address-family |
| multicast | (Optional) Clear multicast address-family |
| link-state | Clear link-state address-family |
| l2vpn | Display BGP information for L2VPN address family |
| vpls | Display BGP information for L2VPN VPLS address family |
| mvpn | Display BGP information for MVPN address family |
| evpn | Display BGP information for L2VPN EVPN address family |
| labeled-unicast | Display BGP information for labeled-unicast address family |
| all | (Optional) Clear all address-families |
| dampened-paths | (Optional) Clear dampened paths for neighbor |
| flap-statistics | (Optional) Clear flap statistics for neighbor |
| no-notify | (Optional) Clear without sending notification |

**Command Mode**

- /exec

# clear ip mfwd event-history

clear ip mfwd event-history [ <mfwd-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| mfwd | Clear MCASTFWD related information |
| event-history | Clear event-history buffers |
| *mfwd-event-hist-buf-name* | (Optional) Event hist buffer name |

**Command Mode**

- /exec

# clear ip mroute

clear ip mroute [ repopulate ] { { <all> [ shared-tree | source-tree ] } | { <group-prefix> [ shared-tree | source-tree ] } | { <group> [ <source> | shared-tree | source-tree ] } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| mroute | Clear multicast routing table |
| repopulate | (Optional) Clear MRIB states and request other components to repopulate mroutes |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all routes matching the Group |
| *source* | (Optional) Clear a (S,G) route |
| shared-tree | (Optional) Clear the (*,G) route associated with the group |
| source-tree | (Optional) Clear all (S,G) routes associated with the group |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip mroute statistics

clear ip mroute statistics { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| mroute | Clear multicast routing table |
| statistics | Clear statistics of multicast route |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all routes matching the Group |
| *source* | (Optional) Clear a (S,G) route |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip msdp event-history

clear ip msdp event-history [ <msdp-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| msdp | MSDP global configuration commands |
| event-history | Clear the event-history buffer instances |
| *msdp-event-hist-buf-name* | (Optional) Specify the particular instance of the event-history buffer |

**Command Mode**

- /exec

# clear ip msdp peer

clear ip msdp peer <peer-address> [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| msdp | MSDP clear commands |
| peer | Clear MSDP peer connection |
| *peer-address* | IP address of MSDP peer |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ip msdp policy statistics sa-policy in

clear ip msdp policy statistics sa-policy <peer-address> { in | out } [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| msdp | MSDP global configuration commands |
| policy | Policy information |
| statistics | Policy statistics |
| sa-policy | Configureed SA policy for MSDP peer |
| *peer-address* | IP address of MSDP peer for SA policy |
| in | Input policy |
| out | Output policy |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ip msdp sa

clear ip msdp { sa-cache | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| msdp | MSDP clear commands |
| sa-cache | Clear contents of SA cache |
| route | Clear contents of SA cache |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all routes matching the Group |
| *source* | (Optional) Clear a (S,G) route |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip msdp statistics

clear ip msdp statistics [ <peer-address> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| msdp | MSDP clear commands |
| statistics | Clear statistics for peers |
| *peer-address* | (Optional) IP address of MSDP peer |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ip nat translation

clear ip nat translation { all | inside <insideGlobalIP> <insideLocalIP> [ outside <outsideLocalIP> <outsideGlobalIP> ] | outside <outsideLocalIP> <outsideGlobalIP> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear ip counters |
| nat | Clear NAT |
| translation | Clear dynamic translation |
| all | Delete all dynamic translations |
| inside | Inside addresses |
| *insideGlobalIP* | Inside global IP address |
| *insideLocalIP* | Inside local IP address |
| outside | (Optional) Outside addresses |
| *outsideLocalIP* | (Optional) Outside local IP address |
| *outsideGlobalIP* | (Optional) Outside global IP address |

**Command Mode**

- /exec

# clear ip ospf database

clear ip ospf [ <tag> ] database

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| database | Clear the LSDB and all neighbors |

**Command Mode**

- /exec

# clear ip ospf event-history

clear ip ospf [ <tag> ] event-history [ adjacency | event | ha | flooding | lsa | spf | redistribution | cli | ldp | te | rib | hello | spf-trigger | objstore | all ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | IP events |
| ospf | Debug OSPF events |
| *tag* | (Optional) Process tag |
| event-history | Clear the event history buffers |
| adjacency | (Optional) Adjacency formation logs |
| event | (Optional) Internal event logs |
| ha | (Optional) HA and GR logs |
| flooding | (Optional) LSA flooding logs |
| lsa | (Optional) LSA generation and database logs |
| spf | (Optional) SPF calculation logs |
| redistribution | (Optional) Redistribution logs |
| cli | (Optional) Cli logs |
| ldp | (Optional) LDP related logs |
| te | (Optional) MPLS TE related logs |
| rib | (Optional) RIB related logs |
| hello | (Optional) HELLO related logs |
| spf-trigger | (Optional) SPF TRIGGER related logs |
| objstore | (Optional) DME OBJSTORE related logs |
| all | (Optional) All event history buffers |

**Command Mode**

- /exec

# clear ip ospf event-history detail

clear ip ospf [ <tag> ] event-history detail

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | IP events |
| ospf | Debug OSPF events |
| *tag* | (Optional) Process tag |
| event-history | Clear the event history buffer |
| detail | Detailed event history buffer |

**Command Mode**

- /exec

# clear ip ospf interface

clear ip ospf [ <tag> ] interface { * | <interface> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| interface | Clear one or more interfaces |
| * | Clear all interfaces |
| *interface* | Interface to clear |

**Command Mode**

- /exec

# clear ip ospf neighbor

clear ip ospf [ <tag> ] neighbor { { { * | <neighborid> } [ vrf { <vrf-name> | <vrf-known-name> | all } ] } | { <interface> } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| neighbor | Clear one or more neighbors |
| * | Clear all neighbors |
| *neighborid* | Source IP address, or router ID of the neighbor |
| *interface* | Interface to clear all neighbors on |

**Command Mode**

- /exec

# clear ip ospf policy statistics

clear ip ospf [ <tag> ] policy statistics { { redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static | direct | amt | lisp } } | { area <area-id-ip> filter-list { in | out } } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| policy | Clear Policy related information |
| statistics | Display Route Filter statistics |
| redistribute | Statistics for redistribution |
| isis | ISO Intermediate-to-Intermediate (IS-IS) |
| bgp | Border Gateway Protocol (BGP) |
| *as* | Autonomous system number |
| ospf | Open Shortest Path First (OSPFv2) |
| eigrp | Enhanced Interior Gateway Protocol (EIGRP) |
| rip | Routing Information Protocol (RIP) |
| static | Static |
| direct | Directly connected |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes |
| area | Configure area properties |
| *area-id-ip* | Area Id as an integer or ip address |
| filter-list | Filter prefixes between OSPF areas |

| | |
|---|---|
| in | Filter networks sent to this area |
| out | Filter networks sent from this area |
| *tag* | |

**Command Mode**

- /exec

# clear ip ospf redistribution

clear ip ospf [ <tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| redistribution | Clear OSPF route redistribution |

**Command Mode**

- /exec

# clear ip ospf statistics

clear ip ospf [ <tag> ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| statistics | Clear event counters |

**Command Mode**

- /exec

# clear ip ospf traffic

clear ip ospf [ <tag> ] traffic [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| ospf | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| traffic | Clear packet counters |
| *interface* | (Optional) Interface to clear all traffic on |

**Command Mode**

- /exec

# clear ip pim event-history

clear ip pim event-history [ <pim-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| pim | PIM clear commands |
| event-history | Clear event history buffers |
| *pim-event-hist-buf-name* | (Optional) Event history buffer instance |

**Command Mode**

- /exec

# clear ip pim interface statistics

clear ip pim interface statistics [ <interface> | vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| pim | Clear PIM information |
| interface | Interface related information |
| statistics | Packet interface counter statistics |
| *interface* | (Optional) Interface name to clear |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip pim policy statistics

clear ip pim policy statistics { register-policy | bsr { bsr-policy | rp-candidate-policy } | auto-rp { rp-candidate-policy | mapping-agent-policy } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| pim | PIM global configuration commands |
| policy | Policy related information |
| statistics | Policy statistics |
| register-policy | Show statistics for register-policy |
| bsr | Bootstrap protocol RP-distribution policy |
| bsr-policy | Statistics for BSR messages |
| rp-candidate-policy | Statistics for RP candidate messages |
| auto-rp | Statistics for auto-rp messages |
| rp-candidate-policy | Statistics for RP candidate messages |
| mapping-agent-policy | Statistics for mapping agent messages |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip pim policy statistics jp

clear ip pim policy statistics { jp-policy | neighbor-policy } <interface>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| pim | PIM global configuration commands |
| policy | Policy related information |
| statistics | Policy statistics |
| jp-policy | Statistics for jp-policy |
| neighbor-policy | Statistics for neighbor-policy |
| *interface* | Interface |

**Command Mode**

- /exec

# clear ip pim route

clear ip pim route { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| pim | PIM clear commands |
| route | Route information |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all routes matching the Group |
| *source* | (Optional) Clear a (S,G) route |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip pim statistics

clear ip pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| pim | Clear PIM information |
| statistics | Packet global counter statistics |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip rip policy statistics redistribute bgp

{ { clear ip rip policy statistics redistribute bgp <as> } | { clear ip rip policy statistics redistribute eigrp <tag> } | { clear ip rip policy statistics redistribute isis <tag> } | { clear ip rip policy statistics redistribute rip <tag> } | { clear ip rip policy statistics redistribute ospf <tag> } | { clear ip rip policy statistics redistribute direct } | { clear ip rip policy statistics redistribute static } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rip | Routing Information Protocol (RIP) |
| policy | Policy related information |
| statistics | Policy statistics |
| redistribute | RIP redistribute routes from other routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| *as* | Autonomous system number |
| isis | Intermediate-to-intermediate (ISIS) |
| ospf | Open Shortest Path First (OSPFv2) |
| *tag* | Process tag |
| static | Static routes |
| direct | Directly connected routes |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip rip statistics

clear { ipv6 | ip } rip statistics [ * | <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| ip | Clear IP commands |
| rip | Routing Information Protocol (RIP) |
| statistics | Clear RIP statistics |
| * | (Optional) RIP statistics for all interfaces |
| *interface* | (Optional) RIP interface |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ip routing multicast event-history

clear ip routing multicast event-history [ <mrib-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| routing | Clear event-history buffers |
| multicast | Clear all multicast event-history buffers |
| event-history | Clear event history buffers |
| *mrib-event-hist-buf-name* | (Optional) Event history buffer |

**Command Mode**

- /exec

# clear ip rsvp authentication

clear ip rsvp authentication [ <nbr-addr> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rsvp | Clear RSVP information |
| authentication | Clear security associations |
| *nbr-addr* | (Optional) RSVP Neighbor address |

**Command Mode**

- /exec

# clear ip rsvp counters

clear ip rsvp counters [ teardown | authentication | all ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rsvp | Clear RSVP information |
| counters | RSVP counters |
| teardown | (Optional) Clear signaling tear information |
| authentication | (Optional) Display RSVP Security Association information |
| all | (Optional) Clear all information |

**Command Mode**

- /exec

# clear ip rsvp hello instance counters

clear ip rsvp hello instance counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rsvp | Clear RSVP information |
| hello | RSVP Hello configuration commands |
| instance | Clear Hello instance information |
| counters | Clear RSVP statistics |

**Command Mode**

- /exec

# clear ip rsvp reservation

clear ip rsvp reservation { [ destination <dest> ] [ source <src> ] [ ip-protocol <proto> ] [ dst-port <dport> ] [ src-port <sport> ] | <all> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rsvp | Clear RSVP information |
| reservation | Clear RSVP reservation state |
| destination | (Optional) Clear based on destination address |
| *dest* | (Optional) Destination address |
| source | (Optional) Clear based on a source address |
| *src* | (Optional) Source address |
| ip-protocol | (Optional) Clear based on IP protocol |
| *proto* | (Optional) IP protocol value |
| dst-port | (Optional) Clear based on destination port |
| *dport* | (Optional) Destination Port value |
| src-port | (Optional) Clear based on a source port |
| *sport* | (Optional) Source port value |
| all | Clear all state |

**Command Mode**

- /exec

# clear ip rsvp sender

clear ip rsvp sender { [ destination <dest> ] [ source <src> ] [ ip-protocol <proto> ] [ dst-port <dport> ] [ src-port <sport> ] | <all> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rsvp | Clear RSVP information |
| sender | Clear RSVP sender state |
| destination | (Optional) Clear based on destination address |
| *dest* | (Optional) Destination address |
| source | (Optional) Clear based on a source address |
| *src* | (Optional) Source address |
| ip-protocol | (Optional) Clear based on IP protocol |
| *proto* | (Optional) IP protocol value |
| dst-port | (Optional) Clear based on destination port |
| *dport* | (Optional) Destination Port value |
| src-port | (Optional) Clear based on a source port |
| *sport* | (Optional) Source port value |
| all | Clear all state |

**Command Mode**

- /exec

# clear ip rsvp signalling

clear ip rsvp signalling [ rate-limit | refresh-reduction ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| rsvp | Clear RSVP information |
| signalling | Configure RSVP Signalling information |
| rate-limit | (Optional) Clear rate-limit counters |
| refresh-reduction | (Optional) Clear refresh-reduction counters |

**Command Mode**

- /exec

# clear ip stats

clear ip stats

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| stats | Clear IP internal stats |

**Command Mode**

- /exec

# clear ip traffic

clear ip traffic [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| traffic | Clear IP global statistics |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ip vip

clear ip vip { uuid <uuid> | <vip-addr> vrf { <vrf-name> | <vrf-known-name> } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ip | Clear IP commands |
| vip | Clear virtual ip address |
| uuid | UUID of client |
| *uuid* | UUID of client whose vips needs to be cleared |
| *vip-addr* | VIP in format A.B.C.D |
| vrf | Display per-VRF information |
| *vrf-name* | VRF name |
| *vrf-known-name* | Known VRF name |

**Command Mode**

- /exec

# clear ipv6 adjacency no-ufdm

clear ipv6 adjacency [ vrf { <vrf-name> | <vrf-known-name> } ] { <ipv6-addr> | * } no-ufdm

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| adjacency | Clear Adjacency |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| * | Delete all adjacency in this context |
| no-ufdm | Create inconsistancy in adjacency |

**Command Mode**

- /exec

# clear ipv6 adjacency statistics

clear ipv6 adjacency statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| adjacency | Clear Adjacency |
| statistics | Clear Adjacency Statistics |

**Command Mode**

- /exec

# clear ipv6 amt tunnel

clear ipv6 amt tunnel [ <address6> <port> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | AMT clear commands |
| amt | AMT show commands |
| ipv6 | Display IP information |
| tunnel | Display tunnel information |
| vrf | (Optional) Display information for VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| *port* | (Optional) UDP port number of gateway |

**Command Mode**

- /exec

# clear ipv6 cache

clear ipv6 cache { { interface [ <intf> ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| cache | Clear ipv6 cache |
| interface | Clear ipv6 interface information |
| *intf* | (Optional) Interface name to clear |

**Command Mode**

- /exec

# clear ipv6 dhcp relay statistics

clear ipv6 dhcp relay statistics [ interface <intf> [ [ server-ip <ip-addr-val> [ use-vrf <vrf-name> ] [ interface <dest-interface> ] ] | [ server-ip <ip-addr-val> [ interface <dest-interface> ] [ use-vrf <vrf-name> ] ] ] ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | IPv6 |
| dhcp | Clear State of DHCPv6 features |
| relay | Clear State of DHCPv6 relay stats |
| statistics | DHCPv6 Relay statistics |
| interface | (Optional) input interface |
| *intf* | (Optional) interface |
| server-ip | (Optional) Server address |
| use-vrf | (Optional) Server address VRF membership |
| *vrf-name* | (Optional) VRF name |
| interface | (Optional) Destination interface for the server address |
| *dest-interface* | (Optional) Destination interface |

**Command Mode**

- /exec

# clear ipv6 eigrp route-map statistics redistribute

clear ipv6 eigrp [ <eigrp-ptag> ] route-map statistics redistribute { bgp <as> | { eigrp | isis | ospfv3 | rip } <tag> | static | direct | amt | lisp } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| eigrp | EIGRP clear commands |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| *eigrp-ptag* | (Optional) Process tag |
| route-map | Route-map related information |
| statistics | Route-map statistics |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| *as* | Autonomous system number |
| isis | IS-IS Routing for IPv4 |
| ospfv3 | Open Shortest Path First (OSPF) V3 |
| rip | Routing Information Protocol (RIP) |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| *tag* | Process tag |
| static | Static routes |
| direct | Directly connected |
| amt | AMT Anycast prefix |
| lisp | LISP EID-prefixes |

**Command Mode**

- /exec

# clear ipv6 icmp

clear ipv6 { icmp | nd } { interface statistics [ <interface> ] | global statistics }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| icmp | Clear ICMPv6 information |
| nd | Clear Neighbor Discovery interface information |
| interface | Clear ICMPv6 related interface information |
| statistics | Clear ICMPv6 interface statistics |
| global | Clear ICMPv6 global statistics |
| *interface* | (Optional) Interface to clear statistics for |

**Command Mode**

- /exec

# clear ipv6 icmp vpc-statistics

clear ipv6 icmp vpc-statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| icmp | Clear ICMPv6 information |
| vpc-statistics | Clear ICMPv6 ND vPC statistics |

**Command Mode**

- /exec

# clear ipv6 interface statistics

clear ipv6 interface statistics [ <interface> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| interface | Clear IPv6 related interface information |
| statistics | Clear IPv6 interface statistics |
| *interface* | (Optional) Interface to clear statistics for |

**Command Mode**

- /exec

# clear ipv6 lisp data-cache

clear ipv6 lisp data-cache [ <eid6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| lisp | LISP clear commands |
| data-cache | Clear EID-to-RLOC data cache mapping in this ITR |
| *eid6* | (Optional) Clear mapping for IPv6 destination EID |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ipv6 lisp statistics

clear ipv6 lisp statistics [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| lisp | LISP clear commands |
| statistics | Clear global LISP statistics |
| vrf | (Optional) Clear statistics for vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ipv6 mld groups

clear ipv6 [ icmp ] mld { groups | route } { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| icmp | (Optional) Clear ICMPv6 information |
| mld | Clear Multicast Listener Discovery information |
| groups | Route information |
| route | Route information |
| all | Clear all routes |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 mroute

clear ipv6 mroute { { <all> [ shared-tree | source-tree ] } | { <group-prefix> [ shared-tree | source-tree ] } | { <group> [ <source> | shared-tree | source-tree ] } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| mroute | Clear multicast routing table |
| all | Clear all routes |
| shared-tree | (Optional) Clear the (*,G) route associated with the group |
| source-tree | (Optional) Clear all (S,G) routes associated with the group |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 mtu

clear ipv6 mtu [ <ipv6-addr> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| mtu | Display IPV6 Path MTU Cache |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear ipv6 neighbor

clear ipv6 neighbor [ [ <nbr-addr> [ <intf> ] ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] | vrf { <vrf-name> | <vrf-known-name> | all } | <interface> ] [ force-delete ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| neighbor | Clear ICMPv6 neighbor cache |
| *intf* | (Optional) Clear cache entries for given interface |
| *interface* | (Optional) Clear cache entries for given interface |
| force-delete | (Optional) Clear the cache entries without refresh |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 netstack mroute

clear ipv6 netstack mroute { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| netstack | Netstack's local cache |
| mroute | Multicast route information |
| all | Clear all routes |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 pim event-history

clear ipv6 pim event-history [ <pim6-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| pim | Clear PIM event history buffers |
| event-history | Clear event-history buffers |
| *pim6-event-hist-buf-name* | (Optional) Event-history buffer instance |

**Command Mode**

- /exec

# clear ipv6 pim interface statistics

clear ipv6 pim interface statistics [ <interface> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| pim | Clear PIM6 information |
| interface | Interface related information |
| statistics | Packet interface counter statistics |
| *interface* | (Optional) Interface name to clear |

**Command Mode**

- /exec

# clear ipv6 pim policy statistics jp

clear ipv6 pim policy statistics { jp-policy | neighbor-policy } <interface>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| pim | Clear PIM information |
| policy | Policy related information |
| statistics | Policy statistics |
| jp-policy | Statistics for jp-policy |
| neighbor-policy | Statistics for neighbor-policy |
| *interface* | Interface |

**Command Mode**

- /exec

# clear ipv6 pim route

clear ipv6 pim route { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| pim | PIM6 clear commands |
| route | Route information |
| all | Clear all routes |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 pim statistics

clear ipv6 pim statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| pim | Clear PIM6 information |
| statistics | Packet global counter statistics |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 raguard statistics

clear ipv6 raguard statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | IPv6 |
| raguard | IPV6 raguard |
| statistics | RA packet drop count |

**Command Mode**

- /exec

# clear ipv6 rip policy statistics redistribute bgp

{ { clear ipv6 rip policy statistics redistribute bgp <as> } | { clear ipv6 rip policy statistics redistribute eigrp <tag> } | { clear ipv6 rip policy statistics redistribute isis <tag> } | { clear ipv6 rip policy statistics redistribute rip <tag> } | { clear ipv6 rip policy statistics redistribute ospfv3 <tag> } | { clear ipv6 rip policy statistics redistribute direct } | { clear ipv6 rip policy statistics redistribute static } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| rip | Routing Information Protocol (RIP) |
| policy | Policy related information |
| statistics | Policy statistics |
| redistribute | RIP redistribute routes from other routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| *as* | Autonomous system number |
| eigrp | Enhanced Interior Gateway Routing Protocol (EIGRP) |
| isis | Intermediate-to-intermediate (ISIS) |
| ospfv3 | Open Shortest Path First (OSPFv3) |
| *tag* | Process tag |
| static | Static routes |
| direct | Directly connected routes |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear ipv6 routing multicast event-history

clear ipv6 routing multicast event-history [ <m6rib-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| routing | Clear event-history buffers |
| multicast | Clear all multicast event-history buffers |
| event-history | Clear event-history buffers |
| *m6rib-event-hist-buf-name* | (Optional) Event-history buffer name |

**Command Mode**

- /exec

# clear ipv6 statistics

clear ipv6 statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| statistics | Clear IPv6 global statistics |

**Command Mode**

- /exec

# clear ipv6 traffic

clear ipv6 traffic [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ipv6 | Clear IPv6 commands |
| traffic | Clear IPv6 traffic statistics |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear isis adjacency

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] adjacency { * | { <interface> | system-id <sid> } + } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| adjacency | Clear IS-IS adjacency state |
| * | IS-IS adjacencies on all interfaces |
| *interface* | IS-IS interface |
| system-id | Hostname or System ID |
| *sid* | Hostname or System ID (in the form of XXXX.XXXX.XXXX) |

**Command Mode**

- /exec

# clear isis dpi

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] dpi [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| dpi | Clear IS-IS DPI logs |

**Command Mode**

- /exec

# clear isis event-history

clear isis [ <isis-tag> ] event-history [ <isis-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| event-history | Clear event history buffers |
| *isis-event-hist-buf-name* | (Optional) Clear the specific event history buffer |

**Command Mode**

- /exec

# clear isis ipv6 route-map statistics

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] ipv6 route-map statistics { { redistribute { bgp <as> | { <src-isis> | eigrp | ospfv3 | rip } <tag> } } | { redistribute { static | direct | amt } } | { distribute <src-level> into <dst-level> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| ipv6 | Clear IS-IS IPv6 information |
| statistics | Clear IS-IS route-map statistics |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| eigrp | Enhanced Interior Gateway Protocol |
| *as* | Autonomous system number |
| src-isis | IS-IS Routing for IPv6 |
| ospfv3 | Open Shortest Path First (OSPF) V3 |
| rip | RIP for IPv6 (RIPNG) |
| *tag* | Process tag |
| static | Static routes |
| direct | Directly connected |
| amt | AMT anycast prefix |
| route-map | Route-map to constrain redistribution |
| distribute | Distribute routes between ISIS levels |
| into | from level-n into level-m |
| *src-level* | Route-distribution between levels |

| | |
|---|---|
| *dst-level* | Route-distribution between levels |

**Command Mode**

- /exec

# clear isis redistribution

clear isis [ <isis-tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| redistribution | Clear IS-IS redistributed information |

**Command Mode**

- /exec

# clear isis route-map statistics

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] [ ip ] route-map statistics { { redistribute { bgp <as> | { <src-isis> | eigrp | ospf | rip } <tag> } } | { redistribute { static | direct | amt } } | { distribute <src-level> into <dst-level> } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| ip | (Optional) Clear IS-IS IPv4 information |
| route-map | Clear IS-IS route-map information |
| statistics | Clear IS-IS route-map statistics |
| redistribute | Redistribute information from another routing protocol |
| bgp | Border Gateway Protocol (BGP) |
| eigrp | Enhanced Interior Gateway Protocol |
| *as* | Autonomous system number |
| src-isis | IS-IS Routing for IPv4 |
| ospf | Open Shortest Path First (OSPF) |
| rip | RIP for IPv4 |
| *tag* | Process tag |
| static | Static routes |
| direct | Directly connected |
| amt | AMT anycast prefix |
| distribute | Distribute routes between ISIS levels |
| into | from level-n into level-m |
| *src-level* | Route-distribution between levels |

| | |
|---|---|
| *dst-level* | Route-distribution between levels |

### Command Mode

- /exec

# clear isis spf-log

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] spf-log [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| spf-log | Display IS-IS SPF information |

**Command Mode**

- /exec

# clear isis statistics

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| statistics | Clear IS-IS protocol statistics |
| * | All IS-IS protocol statistics |
| *interface* | IS-IS interface |

**Command Mode**

- /exec

# clear isis traffic

clear isis [ <isis-tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| traffic | Clear IS-IS traffic information |
| * | All IS-IS traffic information |
| *interface* | IS-IS interface |

**Command Mode**

- /exec

# clear itd statistics

clear itd statistics <service-name>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| itd | ITD service |
| statistics | ITD statistics |
| *service-name* | ITD service-name |

**Command Mode**

- /exec

# clear itd statistics

clear itd statistics <service-name>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| itd | ITD service |
| statistics | ITD statistics |
| *service-name* | ITD service-name |

**Command Mode**

- /exec

# clear keystore

clear { keystore | sksd } [ <index> | <name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| keystore | Clear all records in the keystore |
| sksd | Clear all records in the keystore/sksd-chip |
| *index* | (Optional) Clear secret at index <index> |
| *name* | (Optional) Clear secret with name <name> |

**Command Mode**

- /exec

# clear l2dbg

clear l2dbg { macdb | portdb | rvtepdb }

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| l2dbg | L2 debug databases |
| macdb | L2 debug MACDB |
| portdb | L2 debug PORTDB |
| rvtepdb | L2 debug RVTEPDB |

**Command Mode**

- /exec

# clear l2fwder statistics

clear l2fwder statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| l2fwder | Clear L2FWDER related information |
| statistics | Clear the L2FWDER packet counters |

**Command Mode**

- /exec

# clear l3vm event-history

clear l3vm event-history { pss | errors | mts | reinit | cli | vrf | topology | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| l3vm | Debug L3VM information |
| event-history | log debug events into event history buffer |
| pss | L3VM pss operation |
| errors | L3VM errors |
| mts | L3VM MTS messages |
| reinit | L3VM reinit events |
| cli | Log L3VM CLI related events |
| vrf | Log VRF related events |
| topology | Log Topology related events |
| all | All L3VM debugging |

**Command Mode**

- /exec

# clear lacp counters

clear lacp counters [ interface <if0> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lacp | LACP protocol |
| counters | LACP counters |
| interface | (Optional) Specify a port-channel |
| *if0* | (Optional) |

**Command Mode**

- /exec

# clear ldap-server statistics

clear ldap-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics <time_in_pstate> <ndead> <tt_in_dstate> } ] } { { auth_statistics <auth_failed_transactions> <auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match> <auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions> <acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match> <acct_resp_not_processed> <acct_resp_error> } } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ldap-server | Clear LDAP related parameters |
| statistics | Clear LDAP statistics |
| *host0* | DNS name or IP address |
| __readonly__ | (Optional) |
| *server_state* | (Optional) Show state of server |
| *clock_time* | (Optional) Show clock time in terms of hours, minutes and seconds |
| monitoring_statistics | (Optional) Monitoring Statistics |
| *time_in_pstate* | (Optional) Time in previous state |
| *ndead* | (Optional) Number of times dead |
| *tt_in_dstate* | (Optional) Total time in dead state |
| auth_statistics | (Optional) Authentication Statistics |
| acct_statistics | (Optional) Accounting Statistics |
| *auth_failed_transactions* | (Optional) Authentication: Failed transactions |
| *auth_succ_transactions* | (Optional) Authentication: Successful transactions |
| *auth_req_sent* | (Optional) Authentication: Requests sent |
| *auth_req_timedout* | (Optional) Authentication: Requests timedout |
| *auth_resp_no_match* | (Optional) Authentication: Responses with no matching requests |
| *auth_resp_not_processed* | (Optional) Authentication: Responses not processed |
| *auth_resp_error* | (Optional) Authentication: Responses containing errors |
| *acct_failed_transactions* | (Optional) Accounting: Failed transactions |
| *acct_succ_transactions* | (Optional) Accounting: Successful transactions |

| | |
|---|---|
| *acct_req_sent* | (Optional) Accounting: Requests sent |
| *acct_req_timedout* | (Optional) Accounting: Requests timedout |
| *acct_resp_no_match* | (Optional) Accounting: Responses with no matching requests |
| *acct_resp_not_processed* | (Optional) Accounting: Responses not processed |
| *acct_resp_error* | (Optional) Accounting: Responses containing errors |

### Command Mode

- /exec

# clear license

clear license { <license-file> [ force ] | sprom | <s0> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| license | clear license |
| *license-file* | License file to be uninstalled |
| force | (Optional) Force license clear (don't prompt) |
| sprom | clear license contents in sprom |
| *s0* | License file to be uninstalled |

**Command Mode**

- /exec

# clear lim counters

clear lim counters [ timeline ]

**Syntax Description**

| | |
|---|---|
| clear | Clear lim counters |
| lim | clear lim counters |
| counters | clear lim counters |
| timeline | (Optional) Clear all lim counters |

**Command Mode**

- /exec

# clear line

clear line <s0>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| line | Kill a session on particular vty |
| *s0* | Enter the vty name |

**Command Mode**

- /exec

# clear lisp ddt referral-cache

clear lisp ddt referral-cache [ instance-id <iid> ] [ <eid-prefix> | <eid-prefix6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lisp | LISP clear commands |
| ddt | LISP Delegated Database Tree |
| referral-cache | Clear the DDT referral cache |
| vrf | (Optional) Clear entry for particular vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| instance-id | (Optional) Clear entry for specific instance-ID |
| *iid* | (Optional) 24-bit instance-ID value |
| *eid-prefix* | (Optional) Clear entry associated with IP EID-prefix |

**Command Mode**

- /exec

# clear lisp dynamic-eid

clear lisp dynamic-eid { <dyn-eid-name> | <dyn-eid> } [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lisp | LISP clear commands |
| dynamic-eid | Clear dynamic-EID state |
| *dyn-eid* | IPv4 address of dynamic-EID entry |
| *dyn-eid-name* | Clear entries discovered for a dynamic-EID range |
| vrf | (Optional) Clear dynamic-EID entries for vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear lisp proxy-itr

clear lisp proxy-itr [ <addr> | <addr6> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lisp | LISP clear commands |
| proxy-itr | Clear discovered PITRs |
| *addr* | (Optional) IPv4 locator address of PITR |
| vrf | (Optional) Clear proxy-itr state for vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear lisp site

clear lisp site <site-name> [ instance-id <iid> ] [ vrf { <vrf-name> | <vrf-known-name> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lisp | LISP clear commands |
| site | Clear site registration data |
| *site-name* | Clear registration data for a single site |
| instance-id | (Optional) Clear registration for a single instance-id within a site |
| *iid* | (Optional) 24-bit instance-ID value |
| vrf | (Optional) Clear site entries for vrf |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# clear lldp counters

clear lldp counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lldp | Reset the lldp counters |
| counters | Reset the lldp traffic counters to zero |

**Command Mode**

- /exec

# clear lldp counters interface

clear lldp counters interface <if0>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| lldp | Reset the lldp counters |
| counters | Reset the lldp traffic counters to zero |
| interface | Clear lldp traffic counters per interface |
| *if0* | Enter interface |

**Command Mode**

- /exec

# clear logging ip access-list cache

clear logging ip access-list cache

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| ip | IP configuration |
| access-list | Access-list |
| cache | logging |

**Command Mode**

- /exec

# clear logging logfile

clear logging logfile

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| logfile | Clear logfile messages |

**Command Mode**

- /exec

# clear logging nvram

clear logging nvram

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| nvram | Clear nvram logs |

**Command Mode**

- /exec

# clear logging onboard

clear logging onboard [ { counter-stats | epld-log | internal { <dc3_options> } | module <module> [ { counter-stats | internal { <dc3_options> } } ] } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| onboard | Clear OBFL information |
| counter-stats | (Optional) Clear OBFL counter statistics |
| epld-log | (Optional) Clear EPLD log |
| internal | (Optional) Clear Logging Onboard Internal |
| module | (Optional) Clear OBFL information for Module |
| *module* | (Optional) Enter module number |
| counter-stats | (Optional) Clear OBFL counter statistics |
| *dc3_options* | (Optional) dc3 options |

**Command Mode**

- /exec

# clear logging onboard

clear logging onboard [ { card-boot-history | card-first-power-on | environmental-history | error-stats | exception-log | interrupt-stats | module <module> [ { environmental-history | error-stats | exception-log | interrupt-stats | obfl-logs | stack-trace | card-boot-history | card-first-power-on } ] | obfl-logs | stack-trace } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| onboard | Clear OBFL information |
| environmental-history | (Optional) Clear OBFL environmental history |
| error-stats | (Optional) Clear OBFL error statistics |
| exception-log | (Optional) Clear OBFL exception log |
| interrupt-stats | (Optional) Clear OBFL interrupt statistics |
| card-boot-history | (Optional) Clear Card Boot History |
| card-first-power-on | (Optional) Clear Card First Power On |
| module | (Optional) Clear OBFL information for Module |
| *module* | (Optional) Enter module number |
| obfl-logs | (Optional) Clear OBFL (boot-uptime/device-version/obfl-history). |
| stack-trace | (Optional) Clear OBFL stack trace |

**Command Mode**

- /exec

# clear logging onboard fex

clear logging onboard fex <ifex> { environmental-history | exception-log | internal { kernel | kernel-big | reset-reason } | obfl-log | stack-trace }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| onboard | Clear OBFL information |
| fex | Clear OBFL information for FEX |
| *ifex* | Enter FEX ID |
| environmental-history | Clear OBFL environmental history |
| exception-log | Clear OBFL exception log |
| internal | Clear Logging Onboard Internal |
| reset-reason | Clear OBFL reset reason |
| kernel | Clear kernel log |
| kernel-big | Clear kernel log (large records) |
| obfl-log | Clear OBFL (boot-uptime/device-version/obfl-history) |
| stack-trace | Clear OBFL kernel stack trace |

**Command Mode**

- /exec

# clear logging session

clear logging session

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| logging | Clear logging information |
| session | Clear logging session |

**Command Mode**

- /exec

# clear mac address-table datapath

clear mac address-table datapath { dynamic [ vlan <id> ] | static [ vlan <id> ] | { statistics [ interface ] } | isis_intf_stats }

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| mac | MAC configuration commands |
| address-table | MAC Address Table |
| datapath | Titanium Datapath Table |
| dynamic | clear dynamic entries from Titanium PD Forwarding Table |
| static | USE WITH CAUTION!! clear static entries from Titanium PD Forwarding Table |
| vlan | (Optional) VLAN |
| *id* | (Optional) VLAN ID |
| statistics | Clear datapath statistics |
| interface | (Optional) Clear datapath interface statistics |
| isis_intf_stats | Statistics of ISIS Frames Tx/Rx |

**Command Mode**

- /exec

# clear mac address-table dynamic

clear mac address-table dynamic [ local ] [ address <mac-addr> | interface <interface-name> ] [ multicast-entries [ not-notified ] ] [ vlan <vlan-id> | vni <vni-id> | peer-ip <peer-ipv4> ] [ instance <instance> ] [ __readonly__ <info_str> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| mac | MAC configuration commands |
| address-table | MAC Address Table |
| dynamic | clear dynamic entries from the Layer2 Forwarding Table |
| local | (Optional) clear MAC Entries Learned Locally and Not on the Overlay/VXLAN |
| address | (Optional) address |
| *mac-addr* | (Optional) MAC Address |
| interface | (Optional) Interface |
| *interface-name* | (Optional) Interface name |
| vlan | (Optional) VLAN |
| *vlan-id* | (Optional) VLAN ID |
| vni | (Optional) VXLAN Network Identifier |
| *vni-id* | (Optional) VXLAN Network Identifier |
| peer-ip | (Optional) VXLAN Peer IP Address |
| *peer-ipv4* | (Optional) VXLAN Peer IP Address |
| instance | (Optional) Eureka Instance |
| *instance* | (Optional) ASIC Instance Number |
| multicast-entries | (Optional) clear all dynamically learnt multicast entries |
| not-notified | (Optional) entries that exceed the hardware notification limit |
| __readonly__ | (Optional) |
| *info_str* | (Optional) Information |

**Command Mode**

- /exec

# clear macsec mka statistics

clear macsec mka statistics [ interface <ifname> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| macsec | Clear MACsec parameters |
| mka | Clear MKA parameters |
| statistics | Clear MKA statistics |
| interface | (Optional) Specify interface |
| *ifname* | (Optional) Interface list |

**Command Mode**

- /exec

# clear mmode database

clear mmode database

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mmode | Clear mmode |
| database | Clear mmode database |

**Command Mode**

- /exec

# clear mpls forwarding statistics

clear mpls forwarding statistics [ interface { <interface> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mpls | MPLS events |
| forwarding | Clear MPLS software forwarded |
| statistics | Traffic statistics |
| interface | (Optional) Interface specific information |
| *interface* | (Optional) Interface chosen to clear statistics |
| all | (Optional) All interfaces |

**Command Mode**

- /exec

# clear mpls ldp neighbor

clear mpls ldp neighbor [ vrf { <vrf-name> | <vrf-known-name> } ] { <address> | * }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mpls | MPLS clear commands |
| ldp | Clear LDP state |
| neighbor | Clear LDP neighbor sessions |
| vrf | (Optional) VRF Routing/Forwarding instance information |
| *vrf-name* | (Optional) VPN Routing/Forwarding instance name |
| *vrf-known-name* | (Optional) Known VRF name |
| *address* | IP address for LDP neighbor |
| * | Clear all neighbors |

**Command Mode**

- /exec

# clear mpls static trace

clear mpls static trace { error | warning | event }

**Syntax Description**

| | |
|---|---|
| clear | Clear MPLS static trace buffer |
| mpls | MPLS configuration commands |
| static | MPLS static |
| trace | MPLS static trace |
| error | MPLS static error trace |
| warning | MPLS static warning trace |
| event | MPLS static event trace |

**Command Mode**

- /exec

# clear mpls strip labels

clear mpls strip labels { static | dynamic | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mpls | Configure MPLS settings |
| strip | Stripping of MPLS headers |
| labels | labels in database |
| all | all labels [default] |
| static | labels learned using cli |
| dynamic | dynamically learned |

**Command Mode**

- /exec

# clear mpls switching label statistics

clear mpls switching label statistics { all | <label-value> }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mpls | MPLS clear commands |
| switching | Clear MPLS label switching database information |
| label | Clear MPLS label information |
| statistics | Clear label statistics |
| all | Clear statistics for all labels |
| *label-value* | Label |

**Command Mode**

- /exec

# clear mpls traffic-eng auto-bw timers

clear mpls traffic-eng auto-bw timers

**Syntax Description**

| | |
|---|---|
| auto-bw | Clear auto-bw collection |
| timers | Clear tunnel counters |
| clear | Reset functions |
| mpls | MPLS clear commands |
| traffic-eng | Clear MPLS Traffic-Engineering statistical information |

**Command Mode**

- /exec

# clear mpls traffic-eng link-management counters

clear mpls traffic-eng link-management counters

**Syntax Description**

| | |
|---|---|
| link-management | Clear Link-Management statistical information |
| counters | Clear Link-Management counters |
| clear | Reset functions |
| mpls | MPLS clear commands |
| traffic-eng | Clear MPLS Traffic-Engineering statistical information |

**Command Mode**

- /exec

# clear mpls traffic-eng tunnel counters

clear mpls traffic-eng tunnel counters

**Syntax Description**

| | |
|---|---|
| tunnel | Clear Tunnel statistics |
| counters | Clear tunnel counters |
| clear | Reset functions |
| mpls | MPLS clear commands |
| traffic-eng | Clear MPLS Traffic-Engineering statistical information |

**Command Mode**

- /exec

# clear mvr counters

clear mvr counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mvr | Clear MVR info |
| counters | Clear MVR counters |

**Command Mode**

- /exec

# clear mvr counters receiver-ports

clear mvr counters receiver-ports [ <if0> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mvr | Clear MVR info |
| counters | Clear MVR counters |
| receiver-ports | Clear MVR receiver port counters |
| *if0* | (Optional) Interface name |

**Command Mode**

- /exec

# clear mvr counters source-ports

clear mvr counters source-ports [ <if0> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mvr | Clear MVR info |
| counters | Clear MVR counters |
| source-ports | Clear MVR source port counters |
| *if0* | (Optional) Interface name |

**Command Mode**

- /exec

# clear nbm flow statistics

clear nbm flow statistics

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| nbm | Non blocking Multicast |
| flow | NBM flows |
| statistics | Clear nbm flow statistics |

**Command Mode**

- /exec

# clear ngoam

clear ngoam { loopback { { session { <ses-hdl> | all } } | { statistics { summary | { session { <ses-hdl> | all } } } } | database [ session <ses-hdl> ] } [ force ] }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ngoam | ngoam information |
| loopback | clear ngoam loopback |
| statistics | clear ngoam statistics |
| summary | clear ngoam statistics summary |
| database | clear ngoam database |
| session | clear ngoam information by session handle |
| *ses-hdl* | specify session handle |
| all | clear stats for all ping sessions |
| force | (Optional) Clear it, do not ask to confirm |

**Command Mode**

- /exec

# clear ngoam

clear ngoam { traceroute { { session { <handle> | all } } | { statistics { summary | { session { <handle> | all } } } } } } [ force ] }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ngoam | ngoam information |
| traceroute | clear ngoam traceroute |
| statistics | clear ngoam statistics |
| summary | clear ngoam statistics summary |
| session | clear ngoam information by session handle |
| *handle* | specify session handle |
| all | clear stats for all traceroute sessions |
| force | (Optional) Clear it, do not ask to confirm |

**Command Mode**

- /exec

# clear ngoam pathtrace

clear ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database { session { <handle> | all } } } } [ force ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ngoam | ngoam information |
| pathtrace | clear ngoam pathrace |
| database | clear ngoam pathtrace database |
| statistics | clear ngoam statistics |
| summary | clear ngoam statistics summary |
| session | clear ngoam information by session handle |
| *handle* | specify session handle |
| all | clear stats for all pathtrace sessions |
| force | (Optional) Clear it, do not ask to confirm |

**Command Mode**

- /exec

# clear ntp session

clear ntp session

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ntp | Network Time Protocol |
| session | Clear the ntp configuration session |

**Command Mode**

- /exec

# clear ntp statistics

clear ntp statistics { all-peers | io | local | memory }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ntp | Network Time Protocol |
| statistics | Clear NTP Statistics |
| all-peers | Clear per-peer statistics counter of all peers |
| io | Clear input-output statistics |
| local | Clear counters maintained by the local NTP |
| memory | Clear statistics counters related to memory code |

**Command Mode**

- /exec

# clear nve peer-ip

clear nve peer-ip <peer_ipv4>

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| nve | Configure NVE information |
| peer-ip | peer ip |
| *peer_ipv4* | peer ip |

**Command Mode**

- /exec

# clear nve peers history-log

clear nve peers history-log

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| nve | Configure NVE information |
| peers | NVE Peer |
| history-log | nve_clear_peers_history_log_cmd |

**Command Mode**

- /exec

# clear nve peers interface counters

clear nve peers <addr> interface <nve-if>counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| nve | Configure NVE information |
| peers | NVE Peer |
| *addr* | Remote Peer IP Address |
| interface | Interface |

**Command Mode**

- /exec

# clear nve peers vni interface counters

clear nve peers { <addr> | all } vni { <vni-id> | all } interface <nve-if>counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| nve | Configure NVE information |
| peers | NVE Peer |
| *addr* | Remote Peer IP Address |
| all | Clear counters for all peers/VNIs |
| vni | Virtual Network Identifier |
| *vni-id* | Virtual Network Identifier |
| interface | Interface |

**Command Mode**

- /exec

# clear nve vni counters

clear nve vni { <vni-id> | all } counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| nve | Configure NVE information |
| vni | Virtual Network Identifier |
| *vni-id* | Virtual Network Identifier |
| counters | Counters |
| all | Clear counters for all vnis |

**Command Mode**

- /exec

# clear nvram

clear nvram

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| nvram | purge NVRAM |

**Command Mode**

- /exec

# clear nxapi-server logs

clear nxapi-server logs

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| nxapi-server | Clear NX-API Server |
| logs | Clear NX-API Server logs |

**Command Mode**

- /exec

# clear onep error

clear onep error

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| onep | One Platform |
| error | Clear the ONE-P error buffer |

**Command Mode**

- /exec

# clear onep history

clear onep history { { archived } | { all } | { session { all | <onep-session-id> } } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| onep | One Platform |
| history | One Platform history trails |
| archived | One Platform archived session |
| session | One Platform session |
| all | All sessions |
| *onep-session-id* | Specific session name |

**Command Mode**

- /exec

# clear onep session rate-limit

clear onep session rate-limit

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| onep | One Platform |
| session | One Platform session |
| rate-limit | rate limiting feature info |

**Command Mode**

- /exec

# clear onep statistics

clear onep statistics [ session { all | <onep-session-id> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| onep | One Platform |
| statistics | statistics |
| session | (Optional) One Platform session |
| all | (Optional) All sessions |
| *onep-session-id* | (Optional) Specific session name |

**Command Mode**

- /exec

# clear onep trace

clear onep trace

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| onep | One Platform |
| trace | Clear the ONE-P trace buffer |

**Command Mode**

- /exec

# clear ospfv3 database

clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] database [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| database | Clear the LSDB and all neighbors |

**Command Mode**

- /exec

# clear ospfv3 event-history

clear ospfv3 [ <tag> ] event-history [ adjacency | event | ha | flooding | lsa | spf | redistribution | cli | hello | spf-trigger | all ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Debugging functions |
| *tag* | (Optional) Process tag |
| event-history | Clear the event history buffers |
| adjacency | (Optional) Adjacency formation logs |
| event | (Optional) Internal event logs |
| ha | (Optional) HA and GR logs |
| flooding | (Optional) LSA flooding logs |
| lsa | (Optional) LSA generation and databse logs |
| spf | (Optional) SPF calculation logs |
| redistribution | (Optional) Redistribution logs |
| cli | (Optional) Cli logs |
| hello | (Optional) HELLO related logs |
| spf-trigger | (Optional) SPF TRIGGER related logs |
| all | (Optional) All event history buffers |

**Command Mode**

- /exec

# clear ospfv3 event-history detail

clear ospfv3 [ <tag> ] event-history detail

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Debugging functions |
| *tag* | (Optional) Process tag |
| event-history | Clear the event history buffer |
| detail | Detailed event history buffer |

**Command Mode**

- /exec

# clear ospfv3 interface

clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] interface { * | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| interface | Clear one or more interfaces |
| * | Clear all interfaces |
| *interface* | Interface to clear |

**Command Mode**

- /exec

# clear ospfv3 neighbor

clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] neighbor { * | <neighborid> | <interface> } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| neighbor | Clear one or more neighbors |
| * | Clear all neighbors |
| *neighborid* | Source IP address, or router ID of the neighbor |
| *interface* | Interface to clear all neighbors on |

**Command Mode**

- /exec

# clear ospfv3 policy statistics

clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] policy statistics { { redistribute { bgp <as> | { eigrp | isis | rip } <tag> | static | direct | amt | lisp } } | { area <area-id-ip> filter-list { in | out } } } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Display OSPFv3 status and configuration |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| policy | Clear Policy related information |
| statistics | Display Route Filter statistics |
| redistribute | Statistics for redistribution |
| eigrp | Enhanced Interior Gateway Protocol (EIGRP) |
| rip | Routing Information Protocol (RIP) |
| isis | ISO Intermediate-to-Intermediate (IS-IS) |
| bgp | Border Gateway Protocol (BGP) |
| *as* | Autonomous system number |
| static | Static |
| direct | Directly connected |
| amt | AMT anycast prefix |
| lisp | LISP EID-prefixes |
| area | Configure area properties |
| *area-id-ip* | Area Id as an integer or ip address |
| filter-list | Filter prefixes between OSPF areas |
| in | Filter networks sent to this area |
| out | Filter networks sent from this area |

| | |
|---|---|
| *tag* | |

## Command Mode

- /exec

# clear ospfv3 redistribution

clear ospfv3 [ <tag> ] redistribution [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| redistribution | Clear OSPFv3 route redistribution |

**Command Mode**

- /exec

# clear ospfv3 statistics

clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] statistics [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| statistics | Clear statistics counters |

**Command Mode**

- /exec

# clear ospfv3 traffic

clear ospfv3 [ <tag> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ] traffic [ <interface> ] [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ospfv3 | Clear OSPF tables |
| *tag* | (Optional) Process tag |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |
| traffic | Clear traffic counters |
| *interface* | (Optional) Interface to clear all traffic on |

**Command Mode**

- /exec

# clear otv arp-nd

clear otv arp-nd [ <l3_addr> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| otv | OTV events |
| arp-nd | Log ARP/ND caching clear |
| *l3_addr* | (Optional) L3 IP address |

**Command Mode**

- /exec

# clear otv isis adjacency

clear otv isis [ <otv-isis-tag> ] adjacency { * | { <interface> | system-id <sid> } } [ vpn { <vrf-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| otv | Clear OTV commands |
| isis | Clear IS-IS information |
| *otv-isis-tag* | (Optional) Routing process tag |
| vpn | (Optional) Display VPN information |
| *vrf-name* | (Optional) VPN name |
| all | (Optional) All configured VPNs |
| adjacency | Clear IS-IS adjacency state |
| * | IS-IS adjacencies on all interfaces |
| *interface* | IS-IS interface |
| system-id | Hostname or System ID |
| *sid* | Hostname or System ID (in the form of XXXX.XXXX.XXXX) |

**Command Mode**

- /exec

# clear otv isis event-history

clear otv isis [ <isis-tag> ] event-history [ <isis-event-hist-buf-name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| otv | Clear OTV commands |
| isis | Clear IS-IS information |
| *isis-tag* | (Optional) Routing process tag |
| event-history | Clear event history buffers |
| *isis-event-hist-buf-name* | (Optional) Clear the specific event history buffer |

**Command Mode**

- /exec

# clear otv isis route-map statistics

clear otv isis [ <otv-isis-tag> ] [ ip ] route-map statistics [ vpn { <vrf-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| otv | Clear OTV commands |
| isis | Clear IS-IS information |
| *otv-isis-tag* | (Optional) Routing process tag |
| vpn | (Optional) Display VPN information |
| *vrf-name* | (Optional) VPN name |
| all | (Optional) All configured VPNs |
| ip | (Optional) Clear IS-IS IPv4 information |
| route-map | Clear IS-IS route-map information |
| statistics | Clear IS-IS route-map statistics |

**Command Mode**

- /exec

# clear otv isis statistics

clear otv isis [ <otv-isis-tag> ] statistics { * | <interface> } [ vpn { <vrf-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| otv | Clear OTV commands |
| isis | Clear IS-IS information |
| *otv-isis-tag* | (Optional) Routing process tag |
| vpn | (Optional) Display VPN information |
| *vrf-name* | (Optional) VPN name |
| all | (Optional) All configured VPNs |
| statistics | Clear IS-IS protocol statistics |
| * | All IS-IS protocol statistics |
| *interface* | IS-IS interface |

**Command Mode**

- /exec

# clear otv isis traffic

clear otv isis [ <otv-isis-tag> ] traffic { * | <interface> } [ vpn { <vrf-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| otv | Clear OTV commands |
| isis | Clear IS-IS information |
| *otv-isis-tag* | (Optional) Routing process tag |
| vpn | (Optional) Display VPN information |
| *vrf-name* | (Optional) VPN name |
| all | (Optional) All configured VPNs |
| traffic | Clear IS-IS traffic information |
| * | All IS-IS traffic information |
| *interface* | IS-IS interface |

**Command Mode**

- /exec

# clear pktmgr cache interface

clear pktmgr cache { { interface [ <intf> ] } | { vlan [ <vl> ] } }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| pktmgr | Clear Packet Manager information |
| cache | Clear pktmgr cache |
| interface | Clear pktmgr related interface information |
| vlan | Clear pktmgr related vlan information |
| *intf* | (Optional) Interface name to clear |
| *vl* | (Optional) Vlan |

**Command Mode**

- /exec

# clear pktmgr client

clear pktmgr client [ <uuid> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| pktmgr | Clear Packet Manager information |
| client | Clear pktmgr clients counters |
| *uuid* | (Optional) Clear pktmgr client counters for given uuid |

**Command Mode**

- /exec

# clear pktmgr interface

clear pktmgr interface [ <interface> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| pktmgr | Clear Packet Manager information |
| interface | Clear pktmgr related interface information |
| *interface* | (Optional) Interface name to display |

**Command Mode**

- /exec

# clear port-profile command-cache

clear port-profile command-cache [ interface <intfname> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| port-profile | Clear port-profiles |
| command-cache | Clear port-profile command cache |
| interface | (Optional) Name of interface |
| *intfname* | (Optional) Name of interface |

**Command Mode**

- /exec

# clear port-profile database

clear port-profile database

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| port-profile | Clear port-profiles |
| database | Clear port-profile database |

**Command Mode**

- /exec

# clear port-security dynamic address vlan

clear port-security dynamic address <mac-address> vlan <vlanid>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| port-security | Clear port-security information |
| dynamic | dynamic addresses |
| address | secure address |
| *mac-address* | 48 bit mac address |
| vlan | vlan information |
| *vlanid* | vlan id. Enter a value between 1 and 4094 |

**Command Mode**

- /exec

# clear port-security dynamic interface

clear port-security dynamic interface <if_index> [ vlan <vlanid> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| port-security | Clear port-security information |
| dynamic | dynamic addresses |
| interface | interface |
| *if_index* | ethernet |
| vlan | (Optional) vlan information |
| *vlanid* | (Optional) vlan id. Enter a value between 1 and 4094 |

**Command Mode**

- /exec

# clear port-security nvram

clear port-security nvram

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| port-security | Clear port-security information |
| nvram | port-security nvram |

**Command Mode**

- /exec

# clear processes log all

clear processes log all

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| processes | process-related clear commands |
| log | Delete log files |
| all | Delete all the log files |

**Command Mode**

- /exec

# clear processes log all vdc-all

clear processes log all vdc-all

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| processes | process-related clear commands |
| log | Delete log files |
| all | Delete all the log files |
| vdc-all | Delete all the log files in all vdcs |

**Command Mode**

- /exec

# clear processes log archive

clear processes log archive [ file <s0> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| processes | system manager spawned processes |
| log | Delete log files |
| archive | clear all process logs for this vdc from logflash on this module |
| file | (Optional) delete a log file on logflash |
| *s0* | (Optional) Name of file in directory 'log |

**Command Mode**

- /exec

# clear processes log pid

clear processes log pid <i0>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| processes | process-related clear commands |
| log | Delete log files |
| pid | Delete log file of a specific process |
| *i0* | pid of the process |

**Command Mode**

- /exec

# clear processes vdc log all

clear processes vdc <e-vdc2> log all

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| processes | process-related clear commands |
| vdc | process-related clear commands in vdc |
| *e-vdc2* | Enter Virtual Device Context <vdc-id> |
| log | Delete log files |
| all | Delete all the log files |

**Command Mode**

- /exec

# clear processes vdc log pid

clear processes vdc <e-vdc2> log pid <i1>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| processes | process-related clear commands |
| vdc | process-related clear commands in vdc |
| *e-vdc2* | Enter Virtual Device Context <vdc-id> |
| log | Delete log files |
| pid | Delete log file of a specific process |
| *i1* | pid of the process |

**Command Mode**

- /exec

# clear ptp counters interface

clear ptp counters { interface <if0> | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ptp | Precision Time Protocol (IEEE 1588) Subsystem |
| counters | Display PTP packet counters |
| interface | Enter the port interface |
| all | Displays all information |
| *if0* | |

**Command Mode**

- /exec

# clear qos mpls-snmp

clear qos mpls-snmp

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| mpls-snmp | MPLS default table-map and snmp indices in pss |

**Command Mode**

- /exec

# clear qos policies

clear qos policies

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| policies | Clear default policies |

**Command Mode**

- /exec

# clear qos policies force

clear qos policies force

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| policies | Clear default policies |
| force | Clear forcefully |

**Command Mode**

- /exec

# clear qos statistics

clear qos statistics [ { interface [ <iface-list> ] | vlan [ <vlan-list> ] } [ input | output ] [ type <qos-or-q> ] ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| statistics | Clear statistics |
| interface | (Optional) Clear statistics on a interface |
| *iface-list* | (Optional) List of Interfaces |
| vlan | (Optional) 802.1Q vlan |
| *vlan-list* | (Optional) List of vlan ids |
| input | (Optional) Input Service policy |
| output | (Optional) Output Service policy |
| type | (Optional) Policy type |
| *qos-or-q* | (Optional) |

**Command Mode**

- /exec

# clear queuing burst-detect

clear queuing burst-detect [ interface <if_name> [ queue <queue_num> ] ] [ module <module> ]

**Syntax Description**

| | |
|---|---|
| clear | Clear all entries |
| queuing | Queuing related information |
| burst-detect | Out of Band micro-burst queue statistics |
| interface | (Optional) Interface |
| *if_name* | (Optional) interface name |
| queue | (Optional) Queue number for displaying statistics |
| *queue_num* | (Optional) Queue number |
| module | (Optional) Slot/module |
| *module* | (Optional) Slot/module number |

**Command Mode**

- /exec

# clear queuing pfc-queue

clear queuing pfc-queue [ interface <if_list> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| queuing | clear queuing related counters |
| pfc-queue | clear watchdog timers |
| interface | (Optional) Interface |
| *if_list* | (Optional) List of interfaces |

**Command Mode**

- /exec

# clear queuing pfc-queue interface

clear queuing pfc-queue interface <if_list>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| queuing | clear queuing related counters |
| pfc-queue | clear watchdog timers |
| interface | Interface |
| *if_list* | List of interfaces |

**Command Mode**

- /exec

# clear radius-server statistics

clear radius-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics <time_in_pstate> <ndead> <tt_in_dstate> } ] } { { auth_statistics <auth_failed_transactions> <auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match> <auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions> <acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match> <acct_resp_not_processed> <acct_resp_error> } } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| radius-server | Clear RADIUS related parameters |
| statistics | Clear RADIUS statistics |
| *host0* | DNS name or IP address |
| __readonly__ | (Optional) |
| *server_state* | (Optional) Show state of server |
| *clock_time* | (Optional) Show clock time in terms of hours, minutes and seconds |
| monitoring_statistics | (Optional) Monitoring Statistics |
| *time_in_pstate* | (Optional) Time in previous state |
| *ndead* | (Optional) Number of times dead |
| *tt_in_dstate* | (Optional) Total time in dead state |
| auth_statistics | (Optional) Authentication Statistics |
| acct_statistics | (Optional) Accounting Statistics |
| *auth_failed_transactions* | (Optional) Authentication: Failed transactions |
| *auth_succ_transactions* | (Optional) Authentication: Successful transactions |
| *auth_req_sent* | (Optional) Authentication: Requests sent |
| *auth_req_timedout* | (Optional) Authentication: Requests timedout |
| *auth_resp_no_match* | (Optional) Authentication: Responses with no matching requests |
| *auth_resp_not_processed* | (Optional) Authentication: Responses not processed |
| *auth_resp_error* | (Optional) Authentication: Responses containing errors |
| *acct_failed_transactions* | (Optional) Accounting: Failed transactions |
| *acct_succ_transactions* | (Optional) Accounting: Successful transactions |

| | |
|---|---|
| *acct_req_sent* | (Optional) Accounting: Requests sent |
| *acct_req_timedout* | (Optional) Accounting: Requests timedout |
| *acct_resp_no_match* | (Optional) Accounting: Responses with no matching requests |
| *acct_resp_not_processed* | (Optional) Accounting: Responses not processed |
| *acct_resp_error* | (Optional) Accounting: Responses containing errors |

### Command Mode

- /exec

# clear radius session

clear radius session

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| radius | clear to be commited RADIUS config and lock in fabric |
| session | clear to be commited RADIUS config and lock in fabric |

**Command Mode**

- /exec

# clear rmon

clear rmon { alarms | events | logs | hcalarms | all-alarms }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| rmon | Clear RMON tables |
| alarms | Clear all 32 bit alarms |
| events | Clear rmon log this also clears rmon event table |
| logs | Clear rmon log |
| hcalarms | Clear all 64 bit rmon alarms |
| all-alarms | Clear all 32 bit and 64 bit rmon alarms |

**Command Mode**

- /exec

# clear route-map pbr-statistics

clear route-map { <route-map-name> | <route-map-cfg-name> } pbr-statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| route-map | Route-map used for PBR |
| *route-map-name* | Route-map name |
| *route-map-cfg-name* | Known route-map name |
| pbr-statistics | Statistics for policy based routing |

**Command Mode**

- /exec

# clear routing event-history

clear routing [ ip | ipv4 ] [ unicast ] event-history { add-route | cli | delete-route | detail | errors | general | ha | loop-detection | modify-route | notifications | recursive-next-hop | summary | ufdm | ufdm-detail | ufdm-summary }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| routing | Clear routing information |
| ip | (Optional) Clear IP commands |
| ipv4 | (Optional) Clear IP commands |
| unicast | (Optional) Clear unicast information |
| event-history | Clear routing event log |
| add-route | Add route |
| cli | CLI |
| delete-route | Delete route |
| detail | Detail |
| errors | Errors |
| general | General |
| ha | HA |
| loop-detection | Loop detection |
| modify-route | Modify route |
| notifications | Notification |
| recursive-next-hop | Recursive next hop |
| summary | Summary |
| ufdm | UFDM |
| ufdm-detail | UFDM Detail |
| ufdm-summary | UFDM Summary |

**Command Mode**

- /exec

# clear routing ip multicast mfdm pending counters

clear routing ip multicast mfdm pending counters [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| routing | Clear routing information |
| ip | Clear IP commands |
| multicast | Clear MRIB information |
| mfdm | Clear MFDM information |
| pending | Clear MFDM pending information |
| counters | MFDM counters |
| vrf | (Optional) Display per-VRF information |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear routing ipv6 event-history

clear routing ipv6 [ unicast ] event-history { am | cli | detail | errors | general | ha | lfe | recursive-next-hop | summary | ufdm | ufdm-detail | ufdm-summary }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| routing | Clear routing information |
| ipv6 | Clear IPv6 commands |
| unicast | (Optional) Clear unicast information |
| event-history | Clear routing event log |
| am | AM |
| cli | CLI |
| detail | Detail |
| errors | Errors |
| general | General |
| ha | HA |
| lfe | LFE |
| recursive-next-hop | Recursive next hop |
| summary | Summary |
| ufdm | UFDM |
| ufdm-detail | UFDM Detail |
| ufdm-summary | UFDM Summary |

**Command Mode**

- /exec

# clear routing ipv6 multicast

clear routing ipv6 multicast { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| routing | Clear routing information |
| ipv6 | Clear IPv6 commands |
| multicast | Clear multicast routing table |
| all | Clear all routes |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear routing memstats

clear routing [ ip | ipv4 ] [ unicast ] memstats

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| routing | Clear routing information |
| ip | (Optional) Clear IP commands |
| ipv4 | (Optional) Clear IP commands |
| unicast | (Optional) Display unicast information |
| memstats | Clear urib memory statistics |

**Command Mode**

- /exec

# clear routing multicast

clear routing [ ip | ipv4 ] multicast { <all> | <group-prefix> | <group> [ <source> ] } [ vrf { <vrf-name> | <vrf-known-name> | all } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| routing | Clear routing information |
| ip | (Optional) Clear IP commands |
| ipv4 | (Optional) Clear IP commands |
| multicast | Clear multicast routing table |
| all | Clear all routes |
| *group-prefix* | Clear all routes within the Group prefix |
| *group* | Clear all routes matching Group |
| *source* | (Optional) Clear a (S,G) route |
| vrf | (Optional) Clear information for particular VRF |
| *vrf-name* | (Optional) VRF name |
| *vrf-known-name* | (Optional) Known VRF name |
| all | (Optional) Display information for all VRFs |

**Command Mode**

- /exec

# clear rpm pss

clear rpm pss { running | startup | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| rpm | Route Policy Manager (RPM) |
| pss | Clear PSS related information |
| running | Clear the running PSS commands configuration |
| startup | Clear the startup PSS commands configuration |
| all | Clear all PSS commands configurarion |

**Command Mode**

- /exec

# clear scheduler logfile

clear scheduler logfile

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| scheduler | Scheduler clear commands |
| logfile | Clear scheduler log file |

**Command Mode**

- /exec

# clear screen

clear screen

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| screen | Clear screen |

**Command Mode**

- /exec

# clear session state name

clear session state name <s4>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| session | Reset confg session internals |
| state | Reset confg session internal state |
| name | Reset confg session internal state for a given name |
| *s4* | Enter the name of the session |

**Command Mode**

- /exec

# clear sflow statistics

clear sflow statistics

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| sflow | sFlow global configuration |
| statistics | Clear sFlow statistics |

**Command Mode**

- /exec

# clear snmp counters

clear snmp counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| snmp | Clear SNMP Tables |
| counters | Clear SNMP counters |

**Command Mode**

- /exec

# clear snmp hostconfig

clear snmp hostconfig

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| snmp | Clear SNMP Tables |
| hostconfig | Clear SNMP Host List |

**Command Mode**

- /exec

# clear sockets statistics

clear sockets statistics { all | tcp | tcp6 | udp | udp6 | raw | raw6 }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| sockets | Clear sockets statistics |
| statistics | Clear sockets statistics |
| all | Clear TCP/UDP/RAW v4/v6 statistics |
| tcp | Clear TCP v4 statistics |
| tcp6 | Clear TCP v6 statistics |
| udp | Clear UDP v4 statistics |
| udp6 | Clear UDP v6 statistics |
| raw | Clear RAW v4 statistics |
| raw6 | Clear RAW v6 statistics |

**Command Mode**

- /exec

# clear spanning-tree counters

clear spanning-tree counters [ interface <interface-id> | vlan <vlan-id> | bridge-domain <bd-id> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| spanning-tree | Spanning Tree Subsystem |
| counters | Clear spanning tree statistics |
| interface | (Optional) Specify an interface as a target for the command |
| *interface-id* | (Optional) Specify an interface as a target for the command |
| vlan | (Optional) VLAN Switch Spanning Trees |
| bridge-domain | (Optional) Bridge-Domain Switch Spanning Trees |
| *vlan-id* | (Optional) vlan range, Example: 1,3-5,7,9-11 |
| *bd-id* | (Optional) Bridge-Domain range, Example: 2,4-5,7,9-11 |

**Command Mode**

- /exec

# clear spanning-tree detected-protocols

clear spanning-tree detected-protocols [ interface <interface-id> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| spanning-tree | Spanning Tree Subsystem |
| detected-protocols | Restart the protocol migration process |
| interface | (Optional) Specify an interface as a target for the command |
| *interface-id* | (Optional) Specify an interface as a target for the command |

**Command Mode**

- /exec

# clear spanning-tree sps-hist

clear spanning-tree sps-hist

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| spanning-tree | Spanning Tree Subsystem |
| sps-hist | Set port state stats |

**Command Mode**

- /exec

# clear ssh hosts

clear ssh hosts

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| ssh | Clear ssh values |
| hosts | Clear the list of trusted ssh hosts |

**Command Mode**

- /exec

# clear system login failures

clear system login failures

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| system | System management commands |
| login | Secure Login |
| failures | Clear login failures in the current watch period |

**Command Mode**

- /exec

# clear system reset-reason

clear system reset-reason

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| system | Clear logs in system |
| reset-reason | Clear reset-reason logs in the system |

**Command Mode**

- /exec

# clear system reset-reason history

clear system reset-reason history

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| system | Clear logs in system |
| reset-reason | Clear reset-reason logs in the system |
| history | Clear reset-reason history logs in the system |

**Command Mode**

- /exec

# clear tacacs-server statistics

clear tacacs-server statistics <host0> [ __readonly__ { <server_state> [ <clock_time> { monitoring_statistics <time_in_pstate> <ndead> <tt_in_dstate> } ] } { auth_statistics <auth_failed_transactions> <auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match> <auth_resp_not_processed> <auth_resp_error> } { autho_statistics <autho_failed_transactions> <autho_succ_transactions> <autho_req_sent> <autho_req_timedout> <autho_resp_no_match> <autho_resp_not_processed> <autho_resp_error> } { acct_statistics <acct_failed_transactions> <acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match> <acct_resp_not_processed> <acct_resp_error> } ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| tacacs-server | Clear TACACS related parameters |
| statistics | Clear TACACS statistics |
| *host0* | DNS name or IP address |
| __readonly__ | (Optional) |
| *server_state* | (Optional) Show state of server |
| *clock_time* | (Optional) Show clock time in terms of hours, minutes and seconds |
| monitoring_statistics | (Optional) Monitoring Statistics |
| *time_in_pstate* | (Optional) Time in previous state |
| *ndead* | (Optional) Number of times dead |
| *tt_in_dstate* | (Optional) Total time in dead state |
| auth_statistics | (Optional) Authentication Statistics |
| autho_statistics | (Optional) Authorization Statistics |
| acct_statistics | (Optional) Accounting Statistics |
| *auth_failed_transactions* | (Optional) Authentication: Failed transactions |
| *auth_succ_transactions* | (Optional) Authentication: Successful transactions |
| *auth_req_sent* | (Optional) Authentication: Requests sent |
| *auth_req_timedout* | (Optional) Authentication: Requests timedout |
| *auth_resp_no_match* | (Optional) Authentication: Responses with no matching requests |
| *auth_resp_not_processed* | (Optional) Authentication: Responses not processed |
| *auth_resp_error* | (Optional) Authentication: Responses containing errors |

| | |
|---|---|
| *autho_failed_transactions* | (Optional) Authorization: Failed transactions |
| *autho_succ_transactions* | (Optional) Authorization: Successful transactions |
| *autho_req_sent* | (Optional) Authorization: Requests sent |
| *autho_req_timedout* | (Optional) Authorization: Requests timedout |
| *autho_resp_no_match* | (Optional) Authorization: Responses with no matching requests |
| *autho_resp_not_processed* | (Optional) Authorization: Responses not processed |
| *autho_resp_error* | (Optional) Authorization: Responses containing errors |
| *acct_failed_transactions* | (Optional) Accounting: Failed transactions |
| *acct_succ_transactions* | (Optional) Accounting: Successful transactions |
| *acct_req_sent* | (Optional) Accounting: Requests sent |
| *acct_req_timedout* | (Optional) Accounting: Requests timedout |
| *acct_resp_no_match* | (Optional) Accounting: Responses with no matching requests |
| *acct_resp_not_processed* | (Optional) Accounting: Responses not processed |
| *acct_resp_error* | (Optional) Accounting: Responses containing errors |

### Command Mode

- /exec

# clear tech-support lock

clear tech-support lock

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| tech-support | Gather information for troubleshooting |
| lock | Clear the lock which prohibits multiple show techs to run in parallel |

**Command Mode**

- /exec

# clear tech-support lock

clear tech-support lock

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| tech-support | Gather information for troubleshooting |
| lock | Clear the lock which prohibits multiple show techs to run in parallel |

**Command Mode**

- /exec

# clear user

clear user <s0>

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| user | Logout a particular user |
| *s0* | Enter the username |

**Command Mode**

- /exec

# clear veobc counters

clear veobc counters

**Syntax Description**

| | |
|---|---|
| clear | Reset function |
| veobc | Reset the veobc counters |
| counters | Reset the veobc statistic counters to zero |

**Command Mode**

- /exec

# clear vlan access-list counters

clear vlan access-list counters [ <name> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vlan | Vlan commands |
| access-list | Clear access list statistical information |
| counters | Clear access list counters |
| *name* | (Optional) List name |

**Command Mode**

- /exec

# clear vlan counters

clear vlan [ id <vlan-id> ] counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vlan | Vlan commands |
| id | (Optional) clear VLAN counters by VLAN id |
| *vlan-id* | (Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19 |
| counters | display counters |

**Command Mode**

- /exec

# clear vmtracker counters

clear vmtracker counters

**Syntax Description**

| | |
|---|---|
| clear | Clear |
| vmtracker | Clear vmtracker info |
| counters | Clear vmtracker counter info |

**Command Mode**

- /exec

# clear vpc statistics all

clear vpc statistics all

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vpc | Virtual Port Channel configuration |
| statistics | Statistics |
| all | All vPC statistics |

**Command Mode**

- /exec

# clear vpc statistics peer-keepalive

clear vpc statistics peer-keepalive

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vpc | Virtual Port Channel configuration |
| statistics | Statistics |
| peer-keepalive | peer keepalive module related statistics |

**Command Mode**

- /exec

# clear vpc statistics vpc

clear vpc statistics { vpc <vpc_num> | peer-link }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vpc | Statistics for a specific vPC |
| statistics | Statistics |
| *vpc_num* | Virtual Port Channel number |
| peer-link | stats for peer-link |

**Command Mode**

- /exec

# clear vpc transport statistics

clear vpc transport statistics [ __readonly__ <last-clear-time> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vpc | Virtual Port Channel configuration |
| transport | cfs transport |
| statistics | Statistics |
| __readonly__ | (Optional) Read Only |
| *last-clear-time* | (Optional) time difference from last clear time |

**Command Mode**

- /exec/

# clear vrrp statistics

clear vrrp statistics [ interface <intf_num> ] [ vr <vr_id> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vrrp | Clear virtual router |
| statistics | Clear global virtual router statistics |
| interface | (Optional) Select interface |
| *intf_num* | (Optional) |
| vr | (Optional) [1-255] clear virtual router statistics |
| *vr_id* | (Optional) |

**Command Mode**

- /exec

# clear vrrpv3 event-history

clear vrrpv3 event-history { debugs | errors | msgs | all }

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vrrpv3 | VRRPv3 Clear commands |
| event-history | Clear event history buffers of vrrpv3 |
| debugs | Clear debug event buffer of vrrpv3 |
| errors | Clear errors event buffer of vrrpv3 |
| msgs | Clear MTS event buffer of vrrpv3 |
| all | Clear all event buffers of vrrpv3 |

**Command Mode**

- /exec

# clear vrrpv3 statistics

clear vrrpv3 statistics [ <interface_num> [ <group_num> ] ] [ <opt_v4_or_v6> ]

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vrrpv3 | VRRPv3 Clear commands |
| statistics | VRRPV3 statistics |
| *interface_num* | (Optional) Interface |
| *group_num* | (Optional) Group number |
| *opt_v4_or_v6* | (Optional) Enter ipv4 or ipv6 |

**Command Mode**

- /exec

# clear vtp counters

clear vtp counters

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| vtp | Clear VTP items |
| counters | Clear VTP counters |

**Command Mode**

- /exec

# clear xl

clear xl

**Syntax Description**

| | |
|---|---|
| clear | Reset functions |
| xl | |

**Command Mode**

- /exec

# cli alias name

{ cli alias name <s0> <line> | no cli alias name <s0> [ <line> ] }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| cli | Configure CLI commands |
| alias | Define an alias |
| name | Specify the alias |
| *s0* | Alias command |
| *line* | Alias definition |

**Command Mode**

- /exec/configure

# cli reload parsetree

cli reload parsetree

**Syntax Description**

| | |
|---|---|
| cli | |
| reload | |
| parsetree | |

**Command Mode**

- /exec

# cli show running-config local

cli show running-config local

**Syntax Description**

| | |
|---|---|
| cli | |
| show | |
| running-config | |
| local | |

**Command Mode**

- /exec

# cli var name

{ cli var name <s0> <line> | no cli var name <s0> [ <line> ] }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| cli | Configure CLI commands |
| var | Define a variable |
| name | Specify a variable name |
| *s0* | Variable name |
| *line* | Variable value |

**Command Mode**

- /exec/configure

# cli var name

cli no var name <s0>

**Syntax Description**

| | |
|---|---|
| cli | CLI commands |
| no | Negate a command or set its defaults |
| var | Unset a variable |
| name | Specify a variable name |
| *s0* | Variable name |

**Command Mode**

- /exec

# cli var name

[no] cli var name <s0>

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| cli | CLI commands |
| var | Unset a variable |
| name | Specify a variable name |
| *s0* | Variable name |

**Command Mode**

- /exec

# cli var name

cli var name <s0> <line>

**Syntax Description**

| | |
|---|---|
| cli | CLI commands |
| var | Define a variable |
| name | Specify a variable name |
| *s0* | Variable name |
| *line* | Variable value |

**Command Mode**

- /exec

# cli verifynrun

[no] cli verifynrun

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cli | CLI commands |
| verifynrun | Verify and run |

**Command Mode**

- /exec

# client-to-client reflection

[no] client-to-client reflection

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| client-to-client | Configure client-to-client route reflection |
| reflection | reflection of routes permitted |

**Command Mode**

- /exec/configure/router-bgp/router-bgp-af

# clis all

clis { no debug | undebug } all

**Syntax Description**

| | |
|---|---|
| clis | dcos cli command |
| no | Negate a command or set its defaults |
| undebug | Disable Debugging functions (See also debug) |
| debug | Debugging functions |
| all | Disable |

**Command Mode**

- /exec

# clock-tolerance ntp oneway absolute

{ { no | default } clock-tolerance | clock-tolerance ntp oneway { absolute <abs-value> | percent <percentage> } }

**Syntax Description**

| | |
|---|---|
| no | |
| *clock-tolerance* | ntp |
| default | Set a command to its defaults |
| clock-tolerance | Set acceptable clock synchronization error |
| ntp | Acceptable clock synchronization error due to NTP |
| oneway | Acceptable clock synchronization error in oneway measurement |
| absolute | Acceptable error in microseconds |
| percent | Acceptable error as percent of value measured |
| *abs-value* | Number in microseconds |
| *percentage* | Percentage of one-way delay |

**Command Mode**

- /exec/configure/ip-sla/jitter

# clock format 12

[no] clock format { 12-hours | 24-hours }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| clock | Clock |
| format | Display format of clock |
| 12-hours | 12 hours display |
| 24-hours | 24 hours display |

**Command Mode**

- /exec/configure

# clock format show-timezone debug

[no] clock format show-timezone debug

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| clock | Clock |
| format | Display format of clock |
| show-timezone | Display the configured timezone |
| debug | Display the configured timezone in debugs |

**Command Mode**

- /exec/configure

# clock format show-timezone syslog

[no] clock format show-timezone syslog

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| clock | Clock |
| format | Display format of clock |
| show-timezone | Display the configured timezone |
| syslog | Display the configured timezone in syslogs |

**Command Mode**

- /exec/configure

# clock protocol

[no] clock protocol { ntp | ptp | none } vdc <vdc-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| clock | Clock |
| protocol | protocol |
| ntp | ntp |
| ptp | ptp |
| none | none (clock can be set manually) |
| vdc | vdc |
| *vdc-id* | vdc-id |

**Command Mode**

- /exec/configure

# clock set

clock set <s0> <i0> { April <i1> | August <i2> | December <i3> | February <i4> | January <i5> | July <i6> | June <i7> | March <i8> | May <i9> | November <i10> | October <i11> | September <i12> }

**Syntax Description**

| | |
|---|---|
| clock | Clock |
| set | HH:MM:SS Current Time |
| *s0* | HH:MM:SS Current Time |
| *i0* | Day of the month |
| April | Month of the year |
| *i1* | Enter the year (no abbreviation) |
| August | Month of the year |
| *i2* | Enter the year (no abbreviation) |
| December | Month of the year |
| *i3* | Enter the year (no abbreviation) |
| February | Month of the year |
| *i4* | Enter the year (no abbreviation) |
| January | Month of the year |
| *i5* | enter the year (no abbreviation) |
| July | Month of the year |
| *i6* | Enter the year (no abbreviation) |
| June | Month of the year |
| *i7* | Enter the year (no abbreviation) |
| March | Month of the year |
| *i8* | Enter the year (no abbreviation) |
| May | Month of the year |
| *i9* | Enter the year (no abbreviation) |
| November | Month of the year |
| *i10* | Enter the year (no abbreviation) |

| | |
|---|---|
| October | Month of the year |
| *i11* | Enter the year (no abbreviation) |
| September | Month of the year |
| *i12* | Enter the year (no abbreviation) |

**Command Mode**

- /exec

# clock summer

{ clock { summer-time <s0> [ <i0> <s1> <s2> <s3> <i1> <s4> <s5> <s6> [ <i2> ] ] | timezone <s7> <i3> <i4> } | no clock { summer-time [ <s0> <i0> <s1> <s2> <s3> <i1> <s4> <s5> <s6> <i2> ] | timezone [ <s7> <i3> <i4> ] } }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| clock | Clock |
| summer-time | Configure summer (daylight savings) time |
| *s0* | Name of time zone in summer, such as PDT, CDT, EDT, etc.. |
| *i0* | (Optional) Week number to start (first week=1, last week=5) |
| *s1* | (Optional) Weekday to start |
| *s2* | (Optional) Month to start |
| *s3* | (Optional) HH:MM Time to start |
| *i1* | (Optional) Week number to end (first week=1, last week=5) |
| *s4* | (Optional) Weekday to end |
| *s5* | (Optional) Month to end |
| *s6* | (Optional) HH:MM Time to end |
| *i2* | (Optional) Offset to add in minutes |
| timezone | Configure time zone |
| *s7* | Name of time zone, such as PST, MST, CST, EST, etc.. |
| *i3* | Hours offset from UTC |
| *i4* | Minutes offset from UTC |

**Command Mode**

- /exec/configure

# clock sync-interval

[no] clock sync-interval <intv>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| clock | Clock |
| sync-interval | sync-interval in seconds |
| *intv* | interval |

**Command Mode**

- /exec/configure

# cluster-id

[no] cluster-id { <ip-cluster-id> | <int-cluster-id> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cluster-id | Configure Route Reflector Cluster-ID |
| *ip-cluster-id* | Cluster-id as an IP address |
| *int-cluster-id* | Cluster-id as a 32 bit quantity |

**Command Mode**

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

# collect counter bytes

[no] collect counter { bytes | packets } [ long ]

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| counter | Counters to collect |
| bytes | Total number of bytes |
| packets | Total number of packets |
| long | (Optional) Long counter (64 bits) |

**Command Mode**

- /exec/configure/nfm-record

# collect flow sampler id

[no] collect flow sampler id

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| flow | Flow identifying fields |
| sampler | Sampler |
| id | Identifer for sampler used for the flow |

**Command Mode**

- /exec/configure/nfm-record

# collect ip version

[no] collect ip version

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| ip | IP attributes |
| version | IPv4 or IPv6 |

**Command Mode**

- /exec/configure/nfm-record

# collect routing destination as

[no] collect routing destination as [ peer ]

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| routing | Routing attributes |
| destination | AS destination |
| as | Destination AS number of origin network |
| peer | (Optional) Destination AS number of the peer network |

**Command Mode**

- /exec/configure/nfm-record

# collect routing forwarding-status

[no] collect routing forwarding-status

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| routing | Routing attributes |
| forwarding-status | Forwarding status of the packet |

**Command Mode**

- /exec/configure/nfm-record

# collect routing next-hop address ipv4

[no] collect routing next-hop address ipv4 [ bgp ]

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| routing | Routing attributes |
| next-hop | Next hop address |
| address | Address |
| ipv4 | IPv4 next hop address |
| bgp | (Optional) BGP next hop IPv4 address |

**Command Mode**

- /exec/configure/nfm-record

# collect routing next-hop address ipv6

[no] collect routing next-hop address ipv6 [ bgp ]

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| routing | Routing attributes |
| next-hop | Next hop address |
| address | Address |
| ipv6 | IPv6 next hop address |
| bgp | (Optional) BGP next hop IPv6 address |

**Command Mode**

- /exec/configure/nfm-record

# collect routing source as

[no] collect routing source as [ peer ]

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| routing | Routing attributes |
| source | AS source |
| as | AS source |
| peer | (Optional) Source AS number of the peer network |

**Command Mode**

- /exec/configure/nfm-record

# collect timestamp sys-uptime first

[no] collect timestamp sys-uptime { first | last }

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| timestamp | Timestamp fields |
| sys-uptime | System uptime |
| first | Time the first packet was seen |
| last | Time the most recent packet was seen |

**Command Mode**

- /exec/configure/nfm-record

# collect transport tcp flags

[no] collect transport tcp flags

**Syntax Description**

| | |
|---|---|
| collect | Specify a non-key field |
| transport | Transport layer fields |
| tcp | TCP layer fields |
| flags | TCP flags |

**Command Mode**

- /exec/configure/nfm-record

# commit

commit

**Syntax Description**

| | |
|---|---|
| commit | Commit the current configuration session |

**Command Mode**

- /exec/configure

# commit

commit

**Syntax Description**

| | |
|---|---|
| commit | commit itd session |

**Command Mode**

- /exec/configure/itd-session-device-group

# commit verbose

commit verbose

**Syntax Description**

| | |
|---|---|
| commit | Commit the current configuration session |
| verbose | Commit the current configuration session with more details |

**Command Mode**

- /exec/configure

# compress-bitfields ipv6 multicast

[no] compress-bitfields ipv6 multicast

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| compress-bitfields | Compress bitfield for improved memory utilization |
| ipv6 | Use for IPv6 multicast |
| multicast | Use compressed bitfields for M6RIB and PIM |

**Command Mode**

- /exec/configure

# compress-bitfields ipv6 multicast

[no] compress-bitfields ipv6 multicast

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| compress-bitfields | Compress bitfields for improved memory utilization |
| ipv6 | Use for IPv6 multicast |
| multicast | Use compressed bitfields for M6RIB and PIM6 |

**Command Mode**

- /exec/configure

# compress-bitfields multicast

[no] compress-bitfields [ ipv4 ] multicast

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| compress-bitfields | Compress bitfield for improved memory utilization |
| ipv4 | (Optional) Use for IPv4 multicast |
| multicast | Use compressed bitfields for MRIB and PIM |

**Command Mode**

- /exec/configure

# conf-offset

[no] conf-offset <offset>

**Syntax Description**

| | |
|---|---|
| conf-offset | Configure Confidentiality offset |
| *offset* | Confidentiality offset options |

**Command Mode**

- /exec/configure/macsec-policy

# confederation identifier

[no] confederation identifier <confed-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| confederation | AS confederation parameters |
| identifier | Set routing domain confederation AS |
| *confed-id* | AS number |

**Command Mode**

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

# confederation peers

[no] confederation peers <confed-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| confederation | AS confederation parameters |
| peers | Peer ASs in BGP confederation |
| *confed-id* | AS number |

**Command Mode**

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

# config-source controller

[no] config-source controller

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| config-source | Configuration source for this NVE interface. Defaults to CLI |
| controller | Controller |

**Command Mode**

- /exec/configure/if-nve

# configure

configure [ terminal ]

**Syntax Description**

| | |
|---|---|
| configure | Enter configuration mode |
| terminal | (Optional) Configure the system from terminal input |

**Command Mode**

- /exec

# configure maintenance profile normal

[no] configure maintenance profile { normal-mode | maintenance-mode }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| configure | Enter configuration mode |
| maintenance | maintenance profile mode |
| profile | maintenance profile |
| normal-mode | Normal mode profile |
| maintenance-mode | Maintenance mode profile |

**Command Mode**

- /exec

# configure private

configure private [ sandbox ]

**Syntax Description**

| | |
|---|---|
| configure | Enter configuration mode |
| private | Prototype place holder for config session phase two |
| sandbox | (Optional) Used by the CLI sandbox |

**Command Mode**

- /exec

# configure profile

[no] configure profile <all_conf_profile_name> [ type admin ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| configure | Enter configuration mode |
| profile | Configure profile |
| *all_conf_profile_name* | Enter the name of the configure profile |
| type | (Optional) config profile type |
| admin | (Optional) config profile admin type |

**Command Mode**

- /exec

# configure replace

configure replace { <uri_local> | <uri_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } [ verbose ] [ show-patch ] [ debug ]

**Syntax Description**

| | |
|---|---|
| configure | Configure the box |
| replace | Perform a replace of the running-config |
| *uri_local* | Configuration file to use |
| *uri_remote* | Configuration file to use |
| source-interface | (Optional) Select source interface |
| *intf* | (Optional) |
| vrf | (Optional) Display per-VRF information |
| verbose | (Optional) Show the logs of operation |
| show-patch | (Optional) Show the patch to be applied |
| debug | (Optional) Skip errors and proceed with rollback |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# configure session

configure session <s0>

**Syntax Description**

| | |
|---|---|
| configure | Enter configuration mode |
| session | Configure the system in a session |
| *s0* | Enter the name of the session |

**Command Mode**

- /exec

# configure sync

configure sync

**Syntax Description**

| | |
|---|---|
| configure | Enter configuration mode |
| sync | Configure the system in config-sync mode |

**Command Mode**

- /exec

# congestion-control ecn

[no] congestion-control ecn

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| congestion-control | Congestion Control Protocol |
| ecn | Enable ECN protocol |

**Command Mode**

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

# congestion-control random-detect

[no] congestion-control random-detect { [ threshold { burst-optimized | mesh-optimized } ] | { minimum-threshold <min-thresh> [ packets | bytes | kbytes | mbytes ] maximum-threshold <max-thresh> [ packets1 | bytes1 | kbytes1 | mbytes1 ] drop-probability <drop-prob> } } { [ ecn ] }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| congestion-control | Congestion Control Protocol |
| random-detect | Enable WRED protocol |
| threshold | (Optional) Threshold |
| minimum-threshold | Minimum Threshold |
| maximum-threshold | Maximum Threshold |
| burst-optimized | (Optional) Threshold optimized for bursty traffic |
| mesh-optimized | (Optional) Threshold optimized for mesh traffic |
| drop-probability | Drop Probability at Maximum Threshold |
| *drop-prob* | Drop Probability Value |
| packets | (Optional) Packets |
| bytes | (Optional) Bytes |
| kbytes | (Optional) Kilo Bytes |
| mbytes | (Optional) Mega Bytes |
| packets1 | (Optional) Packets |
| bytes1 | (Optional) Bytes |
| kbytes1 | (Optional) Kilo Bytes |
| mbytes1 | (Optional) Mega Bytes |
| ecn | (Optional) Explicit Congestion Notification |

**Command Mode**

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

# congestion-control random-detect forward-nonecn

[no] congestion-control random-detect forward-nonecn

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate the command |
| congestion-control | Congestion control protocol |
| random-detect | Enable WRED protocol |
| forward-nonecn | Forward non ECN capable traffic without WRED dropping |

**Command Mode**

- /exec/configure

# congestion-control random-detect global-buffer minimum-threshold maximum-threshold

[no] congestion-control random-detect global-buffer minimum-threshold { <min-thresh> [ packets | bytes | kbytes | mbytes ] } maximum-threshold { <max-thresh> [ packets1 | bytes1 | kbytes1 | mbytes1 ] }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate the command |
| congestion-control | Congestion control protocol |
| random-detect | Enable WRED protocol |
| global-buffer | global buffer threshold |
| minimum-threshold | Specify minimum threshold for WRED |
| *min-thresh* | Minimum threshold value |
| maximum-threshold | Specify maximum threshold for WRED |
| *max-thresh* | Maximum threshold value |
| packets | (Optional) Packets |
| bytes | (Optional) Bytes |
| kbytes | (Optional) Kilo bytes |
| mbytes | (Optional) Mega bytes |
| packets1 | (Optional) Packets |
| bytes1 | (Optional) Bytes |
| kbytes1 | (Optional) Kilo Bytes |
| mbytes1 | (Optional) Mega Bytes |

**Command Mode**

- /exec/configure

# congestion-control tail-drop

[no] congestion-control tail-drop [ threshold { burst-optimized | mesh-optimized } ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| congestion-control | Congestion Control Protocol |
| tail-drop | Enable Tail-Drop |
| threshold | (Optional) Threshold |
| burst-optimized | (Optional) Threshold optimized for bursty traffic |
| mesh-optimized | (Optional) Threshold optimized for mesh traffic |

**Command Mode**

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

# connect

[no] connect

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| connect | Connect to remote host |

**Command Mode**

- /exec/configure/vmt-conn

# continue

{ continue <value> } | { no continue [ <value> ] }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| continue | Continue on a different entry within the route-map |
| *value* | Route-map entry sequence number |

**Command Mode**

- /exec/configure/route-map

# contract-id

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

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| contract-id | Service contract id of the customer |
| *s0* | Provide contract number (as specified in the service agreement) |

**Command Mode**

- /exec/configure/callhome

# control-plane

control-plane

**Syntax Description**

| | |
|---|---|
| control-plane | Enter to control-plane sub-mode |

**Command Mode**

- /exec/configure

# control vlan

[no] control vlan <vlan-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| control | ITD control vlan |
| vlan | control vlan |
| *vlan-id* | Control vlan id |

**Command Mode**

- /exec/configure/itd-inout

# control vlan

[no] control vlan <vlan-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| control | ITD control vlan |
| vlan | control vlan |
| *vlan-id* | Control vlan id |

**Command Mode**

- /exec/configure/itd-inout

# controller-credentials username password 0

[no] controller-credentials username <user> password { 0 <clear> | 7 <encrypted> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| controller-credentials | NBM Controller login credentials |
| username | User ID |
| *user* | Enter user ID |
| password | Password |
| 0 | Password that follows should be in clear text |
| *clear* | Password in clear text |
| 7 | Password that follows should be encrypted text |
| *encrypted* | Encrypted password |

**Command Mode**

- /exec/configure/nbm-controller

# controller description

{ controller description <ctrlr-desc> | no controller description }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| controller | Controller command |
| description | Controller description |
| *ctrlr-desc* | String description of the controller |

**Command Mode**

- /exec/configure/controller-type

# controller ip vrf

[no] controller ip <cntlr-ip> vrf { <vrf-name> | <vrf-known-name> }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| controller | Controller |
| ip | IP Address |
| *cntlr-ip* | IP Address of Controller |
| vrf | vrf context |
| *vrf-name* | VRF name |
| *vrf-known-name* | Known VRF name |

**Command Mode**

- /exec/configure/nbm-controller

# controller type l2 identifier

[no] controller type { l2-vxlan | vxlan } identifier <controller-id>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| controller | Controller command |
| type | Controller type |
| l2-vxlan | l2-vxlan |
| vxlan | vxlan |
| identifier | Controller identifier |
| *controller-id* | Controller id value |

**Command Mode**

- /exec/configure

# copp clear policy pps

copp clear policy pps

**Syntax Description**

| | |
|---|---|
| copp | copp |
| clear | clear |
| policy | policy |
| pps | pps |

**Command Mode**

- /exec/configure

# copp copy profile prefix

copp copy profile <profile_type> { prefix | suffix } <user_string>

**Syntax Description**

| | |
|---|---|
| copp | Control-Plane Policing |
| copy | Make a copy of the CoPP Profile |
| profile | CoPP Profile |
| *profile_type* | CoPP Profile Types |
| prefix | prefix for the copied policy |
| suffix | suffix for the copied policy |
| *user_string* | Enter prefix/suffix for the copied policy |

**Command Mode**

- /exec

# copp distributed-policing enable

[no] copp distributed-policing enable

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| copp | Control-Plane Policing |
| distributed-policing | distributed policer |
| enable | enable distributed policing |

**Command Mode**

- /exec/configure

# copp profile

[no] copp profile [ <profile_type> ]

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| copp | Control-Plane Policing |
| profile | CoPP Profile |
| *profile_type* | (Optional) CoPP Profile Types |

**Command Mode**

- /exec/configure

# copp profile

copp profile <profile_type>

**Syntax Description**

| | |
|---|---|
| copp | Control-Plane Policing |
| profile | CoPP Profile |
| *profile_type* | CoPP Profile Types |

**Command Mode**

- /exec/configure

# copp rate-limit disable

[no] copp rate-limit disable

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| copp | copp |
| rate-limit | rate-limit |
| disable | Disable rate-limit on CoPP queues |

**Command Mode**

- /exec/configure

# copy

copy { { <src_local> { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } | { <src_remote> { <dest_local> [ compact ] | running-config [ echo-commands ] [ stop-at-first-failure ] | startup-config } } [ source-interface <intf> | vrf <vrf-known-name> ] | { <src_core> { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } | { running-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } | { startup-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } }

**Syntax Description**

| | |
|---|---|
| copy | Copy from one file to another |
| *src_local* | Select source filesystem |
| *src_core* | Select source filesystem |
| *dest_local* | Select destination filesystem |
| *dest_remote* | Select destination filesystem |
| *src_remote* | Select source filesystem |
| vrf | (Optional) Display per-VRF information |
| source-interface | (Optional) Select source interface |
| *intf* | (Optional) |
| *vrf-known-name* | (Optional) Known VRF name |
| compact | (Optional) Compacting NXOS NBI image using scp |
| running-config | Copy from source to running configuration |
| running-config-src | Copy running configuration to destination |
| startup-config | Copy from source to startup configuration |
| startup-config-src | Copy startup configuration to destination |
| echo-commands | (Optional) Echo the commands before applying them (to correlate errors) |
| stop-at-first-failure | (Optional) Stop at first error |

**Command Mode**

- /exec

# copy

copy { { <src_local> { <dest_local> | running-config [ echo-commands ] [ stop-at-first-failure ] | startup-config | scheduled-config } } | { <src_core> <dest_local_core> } | { running-config-src { startup-config [ fabric ] | <dest_local_config> } } | { startup-config-src { running-config [ echo-commands ] [ stop-at-first-failure ] | <dest_local_config> } } | { switch-profile-cfg <dest_local_config> } }

**Syntax Description**

| | |
|---|---|
| copy | Copy from one file to another |
| *src_local* | Select source filesystem |
| *src_core* | Select source filesystem |
| *dest_local* | Select destination filesystem |
| *dest_local_core* | Select destination filesystem |
| *dest_local_config* | Select destination filesystem |
| running-config | Copy from source to running configuration |
| running-config-src | Copy running configuration to destination |
| startup-config | Copy from source to startup configuration |
| startup-config-src | Copy startup configuration to destination |
| scheduled-config | Schedule configuration at the specified source to be applied at next switch reload |
| switch-profile-cfg | Copy switch profile running configuration to destination |
| echo-commands | (Optional) Echo the commands before applying them (to correlate errors) |
| stop-at-first-failure | (Optional) Stop at first error |
| fabric | (Optional) Copy from source to fabric startup configuration |

**Command Mode**

- /exec

# copy licenses

copy licenses <uri0>

**Syntax Description**

| | |
|---|---|
| copy | Copy from one file to another |
| licenses | Backup license files |
| *uri0* | Specify URL (with .tar extension) for backing up license files |

**Command Mode**

- /exec

# copy recursive

copy <source> <destination> recursive [ vrf <vrf-known-name> ]

**Syntax Description**

| | |
|---|---|
| copy | Copy from one file to another |
| recursive | Recursively copy files and folders |
| *source* | Select source filesystem |
| *destination* | Select destination filesystem |
| vrf | (Optional) Display per-VRF information |
| *vrf-known-name* | (Optional) Known VRF name |

**Command Mode**

- /exec

# copy running vdc-all

copy { running-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } | startup-config-src { <dest_remote> [ source-interface <intf> | vrf <vrf-known-name> ] } } vdc-all

**Syntax Description**

| | |
|---|---|
| copy | Copy from one file to another |
| *dest_remote* | Select destination filesystem |
| vrf | (Optional) Display per-VRF information |
| *vrf-known-name* | (Optional) Known VRF name |
| source-interface | (Optional) Select source interface |
| *intf* | (Optional) |
| running-config-src | Copy running configuration to destination |
| startup-config-src | Copy startup configuration to destination |
| vdc-all | Perform copy for all vdcs |

**Command Mode**

- /exec

# copy vdc-all

copy { running-config-src { startup-config | <dest_local_config> } | startup-config-src { running-config | <dest_local_config> } } vdc-all

**Syntax Description**

| | |
|---|---|
| copy | Copy from one file to another |
| *dest_local_config* | Select destination filesystem |
| running-config-src | Copy running configuration to destination |
| startup-config | Copy from source to startup configuration |
| running-config | Copy from source to running configuration |
| startup-config-src | Copy startup configuration to destination |
| vdc-all | Perform copy for all vdcs |

**Command Mode**

- /exec

# core-on-no-memory

[no] core-on-no-memory

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| core-on-no-memory | Generate core dump on memory allocation failure |

**Command Mode**

- /exec/configure/router-ospf

# core-on-no-memory

[no] core-on-no-memory

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| core-on-no-memory | Generate core dump on memory allocation failure |

**Command Mode**

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

# cost

{ cost <cost> } | { no cost [ <cost> ] }

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| cost | Cost associated with interface |
| *cost* | Cost value |

**Command Mode**

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

# count

| count

**Syntax Description**

| | |
|---|---|
| \| | Pipe command output to filter |
| count | Count number of lines |

**Command Mode**

- /output

# counter name value op

counter name <counter-name> value <counter-value> op <op-val>

**Syntax Description**

| | |
|---|---|
| counter | Specify the name of the counter |
| name | Specify the name of the counter |
| *counter-name* | Name of the counter |
| value | Specify the value to be applied to the counter |
| *counter-value* | Enter the value |
| op | Specify the operator to be applied |
| *op-val* | Enter the value of the operator |

**Command Mode**

- /exec

# cpu threshold

[no] cpu threshold [ rising <risingth> falling <fallingth> interval <seconds> ]

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| cpu | CPU resource |
| threshold | Threshold settings |
| rising | (Optional) Rising threshold setting |
| *risingth* | (Optional) Rising threshold in percentage |
| falling | (Optional) Falling threshold setting |
| *fallingth* | (Optional) Falling threshold in percentage |
| interval | (Optional) Observation interval setting |
| *seconds* | (Optional) Observation interval in seconds |

**Command Mode**

- /exec/configure/onep

# cpu threshold rising falling interval

cpu threshold rising <risingth> falling <fallingth> interval <seconds>

**Syntax Description**

| | |
|---|---|
| cpu | CPU resource |
| threshold | Threshold settings |
| rising | Rising threshold setting |
| *risingth* | Rising threshold in percentage |
| falling | Falling threshold setting |
| *fallingth* | Falling threshold in percentage |
| interval | Observation interval setting |
| *seconds* | Observation interval in seconds |

**Command Mode**

- /exec/configure/onep

# crypto ca authenticate

[no] crypto ca authenticate <s0> [ accept ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| authenticate | Authenticate the certificate authority certificate |
| *s0* | trustpoint label |
| accept | (Optional) accept the certificate automatically |

**Command Mode**

- /exec/configure

# crypto ca crl request

[no] crypto ca crl request <s0> <uri0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| crl | import certificate revocation list |
| request | import certificate revocation list |
| *s0* | trustpoint label |
| *uri0* | Specify source file name |

**Command Mode**

- /exec/configure

# crypto ca enroll

[no] crypto ca enroll <s0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| enroll | Create certificate request |
| *s0* | trustpoint label |

**Command Mode**

- /exec/configure

# crypto ca export pkcs12

[no] crypto ca export <s0> pkcs12 <uri0> <s1>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| export | export rsa private key and certificates in pkcs#12 |
| *s0* | trustpoint label |
| pkcs12 | destination file url |
| *uri0* | Specify destination file name |
| *s1* | passphrase to encrypt the private key |

**Command Mode**

- /exec/configure

# crypto ca import certificate

[no] crypto ca import <s0> certificate

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| import | import the certificate or key |
| *s0* | trustpoint label |
| certificate | import the certificate |

**Command Mode**

- /exec/configure

# crypto ca import pkcs12

crypto ca import <s0> pkcs12 <uri0> <s1>

**Syntax Description**

| | |
|---|---|
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| import | import the certificate or key |
| *s0* | trustpoint label |
| pkcs12 | source file url |
| *uri0* | source file url |
| *s1* | passphrase to decrypt the private key |

**Command Mode**

- /exec/configure

# crypto ca lookup

[no] crypto ca lookup { remote | local | both }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| lookup | Choose the certstore for authentication |
| remote | Use remote certstore |
| local | Use local certstore |
| both | Use both local and remote certstore |

**Command Mode**

- /exec/configure

# crypto ca remote ldap

[no] crypto ca remote ldap { server-group <s0> | [ crl-refresh-time <i0> ] }

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| remote | Use ca from remote certstore |
| ldap | Ldap certstore |
| crl-refresh-time | (Optional) Configure refresh-time to fetch crl from remote certstore |
| *i0* | (Optional) Refresh time value in hours. A value of 0 will now run the refresh routine once. |
| server-group | Ldap server group |
| *s0* | Ldap server group name |

**Command Mode**

- /exec/configure

# crypto ca test verify

[no] crypto ca test verify <uri0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| test | certificate tests |
| verify | verify the certificate |
| *uri0* | Specify certificate file name |

**Command Mode**

- /exec/configure

# crypto ca trustpoint

[no] crypto ca trustpoint <s0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| ca | Configure certificate authority related information |
| trustpoint | Configure trustpoint certificate authority |
| *s0* | trustpoint label |

**Command Mode**

- /exec/configure

# crypto cert ssh-authorize

[no] crypto cert ssh-authorize [ <s0> map <s1> [ <s2> ] | default map <s3> ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Configure crypto settings |
| cert | Configure certificate maping filter settings |
| ssh-authorize | Configure mapping filter for ssh |
| *s0* | (Optional) Issuer name of the certificate |
| map | (Optional) Mapping filter to be applied |
| *s1* | (Optional) Name of the mapping filter which is already configured |
| *s2* | (Optional) Name of the mapping filter which is already configured |
| default | (Optional) Default map for ssh authorization |
| *s3* | (Optional) Name of the default mapping filter which is already configured |

**Command Mode**

- /exec/configure

# crypto certificatemap mapname

[no] crypto certificatemap mapname <s0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| certificatemap | Configure certificatemap filters |
| mapname | Create a new filter map |
| *s0* | Name of the filter map |

**Command Mode**

- /exec/configure

# crypto key generate rsa

[no] crypto key generate rsa [ { [ exportable ] [ modulus <i0> ] | [ label <s0> ] [ [ exportable ] [ modulus1 <i1> ] ] | modulus2 <i2> } ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| key | Configure key pair related information |
| generate | Configure key pair generation related information |
| rsa | Configure rsa key pair generation related information |
| exportable | (Optional) key-pair is exportable |
| modulus | (Optional) key-pair size |
| *i0* | (Optional) key-pair size |
| label | (Optional) key-pair label |
| *s0* | (Optional) key-pair label |
| exportable | (Optional) key-pair is exportable |
| modulus1 | (Optional) key-pair size |
| *i1* | (Optional) key-pair size |
| modulus2 | (Optional) key-pair size |
| *i2* | (Optional) key-pair size |

**Command Mode**

- /exec/configure

# crypto key param rsa label modulus

[no] crypto key param rsa label <s0> modulus <i0> [ exportable ]

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| key | Configure key pair related information |
| param | Configure key pair related information |
| rsa | Configure rsa key pair related information |
| label | key-pair label |
| *s0* | key-pair label |
| modulus | key-pair size |
| *i0* | key-pair size |
| exportable | (Optional) key-pair is exportable |

**Command Mode**

- /exec/configure

# crypto key zeroize rsa

[no] crypto key zeroize rsa <s0>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| crypto | Set crypto settings |
| key | Configure key pair related information |
| zeroize | Delete key-pair |
| rsa | Delete rsa key-pair |
| *s0* | key-pair label |

**Command Mode**

- /exec/configure

# cryptographic-algorithm

[no] cryptographic-algorithm <algo>

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cryptographic-algorithm | Set cryptographic-algorithm to be used |
| *algo* | Crytographic-algorithm |

**Command Mode**

- /exec/configure/keychain-key

# cts cache enable

[no] cts cache enable

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| cache | Enable Caching of Authentication, Authorization |
| enable | Enable |

**Command Mode**

- /exec/configure

# cts device-id password

cts device-id <device-id> password { <passwd> | 7 <encrypted_passwd> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| device-id | device-id used during EAP FAST |
| *device-id* | name |
| password | password used during EAP FAST |
| *passwd* | clear text password |
| 7 | Enter encypted password used during EAP FAST |
| *encrypted_passwd* | encrypted password |

**Command Mode**

- /exec/configure

# cts dot1x

[no] cts dot1x

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| dot1x | use 802.1X for authentication and policy |

**Command Mode**

- /exec/configure/if-eth-base /exec/configure/if-switching

# cts enable

[no] cts enable

**Syntax Description**

| | |
|---|---|
| no | (Optional) Negate a command or set its defaults |
| cts | Config commands for CTS |
| enable | Enable/Disable CTS |

**Command Mode**

- /exec/configure

# cts l3

{ no cts l3 } | { cts l3 spi <spi> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| l3 | Configure L3 CTS parameters |
| spi | Configure L3 CTS SPI |
| *spi* | L3 CTS SPI |

**Command Mode**

- /exec/configure/if-ethernet /exec/configure/if-switching

# cts l3 spi

{ no cts l3 spi <ip_prefix> } | { cts l3 spi <spi> { { esp-key <key> } | <ip_prefix> } }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| l3 | Configure L3 CTS parameters |
| spi | Configure L3 CTS SPI |
| *spi* | L3 CTS SPI |
| esp-key | Configure ESP key for L3 CTS SPI |
| *key* | 32 byte value specified as a string |
| *ip_prefix* | Subnet using this SPI |

**Command Mode**

- /exec/configure

# cts manual

[no] cts manual

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| manual | supply local configuration for cts parameters |

**Command Mode**

- /exec/configure/if-eth-base /exec/configure/if-switching

# cts refresh role-based-policy

cts refresh role-based-policy

**Syntax Description**

| | |
|---|---|
| cts | Execute CTS related commands |
| refresh | Refresh CTS policies |
| role-based-policy | Refresh CTS role-based policies |

**Command Mode**

- /exec

# cts rekey

cts rekey <if>

**Syntax Description**

| | |
|---|---|
| cts | Execute CTS related commands |
| rekey | Perform rekey on a particular interface |
| *if* | Rekey interface |

**Command Mode**

- /exec

# cts role-based access-list

[no] cts role-based access-list <list_name>

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| access-list | Create RBACL list |
| *list_name* | Name of RBACL List |

**Command Mode**

- /exec/configure

# cts role-based counters enable

[no] cts role-based counters enable

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| counters | RBACL policy counters |
| enable | Enable counters per RBACL policy |

**Command Mode**

- /exec/configure

# cts role-based enforcement

[no] cts role-based enforcement

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| enforcement | Enable RBACL enforcement for this VLAN |

**Command Mode**

- /exec/configure/vlan

# cts role-based enforcement

[no] cts role-based enforcement

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| enforcement | Enable RBACL enforcement for this VRF |

**Command Mode**

- /exec/configure/vrf

# cts role-based enforcement

[no] cts role-based enforcement

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| enforcement | Enable RBACL enforcement |

**Command Mode**

- /exec/configure

# cts role-based sgt-map

{ no cts role-based sgt-map <ip-addr> } | { cts role-based sgt-map <ip-addr> <sgt> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| sgt-map | Configure IP Address to SGT mapping |
| *ip-addr* | IP Address in format A.B.C.D |
| *sgt* | SGT corresponding to the IP Address |

**Command Mode**

- /exec/configure/vlan

# cts role-based sgt-map

{ no cts role-based sgt-map <ip-addr> } | { cts role-based sgt-map <ip-addr> <sgt> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| sgt-map | Configure IP Address to SGT mapping |
| *ip-addr* | IP Address in format A.B.C.D |
| *sgt* | SGT corresponding to the IP Address |

**Command Mode**

- /exec/configure/vrf /exec/configure

# cts role-based sgt dgt access-list cts role-based sgt dgt access-list

cts role-based sgt { <sgt> | <sgt_unknown> } dgt { <dgt> | <dgt_unknown> } access-list <list_name> | cts role-based sgt <sgt_any> dgt <dgt_any> access-list <list_name> | no cts role-based sgt { <sgt> | <sgt_unknown> | <sgt_any> } dgt { <dgt> | <dgt_unknown> | <dgt_any> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| role-based | Configure RBACL policies |
| sgt | Source Group Tag |
| *sgt* | sgt value |
| sgt_unknown | Apply RBACL to packets for unknown SGT |
| dgt_unknown | Apply RBACL to packets for unknown DGT |
| sgt_any | Apply RBACL to all packets |
| dgt_any | Apply RBACL to all packets |
| dgt | Destination Group Tag |
| *dgt* | dgt value |
| access-list | Configure RBACL list for SGT/DGT pair |
| *list_name* | Name of RBACL List |
| *list_name* | |

**Command Mode**

- /exec/configure

# cts sgt

cts sgt <sgt> | no cts sgt

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sgt | SGT tag for pkts from this device |
| *sgt* | sgt value |

**Command Mode**

- /exec/configure

# cts sxp connection peer password required 7 default

{ { [ no ] cts sxp connection peer <peer_ipaddress> [ source <source_ipaddress> ] password { required { <password> | 7 <encrypted-password> } | default | none } mode { speaker | listener } } | { no cts sxp connection peer <peer_ipaddress> } } [ vrf <vrf_name> ]

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sxp | Supply configuration for SXP parameters |
| connection | configuration for SXP connection |
| peer | configuration for peer |
| *peer_ipaddress* | IP Address in format A.B.C.D |
| source | (Optional) Source IP address configuration |
| *source_ipaddress* | (Optional) IP Address in format A.B.C.D |
| password | SXP password configuration |
| required | Provide the password to be used with the SXP peer |
| *password* | Password for SXP peer |
| 7 | Provide encrypted password for SXP Peer |
| *encrypted-password* | Encrypted password for SXP Peer |
| default | Use default password |
| none | Dont use any password |
| mode | SXP mode |
| speaker | SXP speaker |
| listener | SXP listener |
| vrf | (Optional) Configure VRF of the peer |
| *vrf_name* | (Optional) VRF of the peer |

**Command Mode**

- /exec/configure

# cts sxp default password 7

{ cts sxp default password { <password> | 7 <encrypted_password> } } | { no cts sxp default password }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sxp | Supply configuration for SXP parameters |
| default | Default SXP password |
| password | SXP password |
| *password* | SXP password |
| 7 | Provide encrypted default SXP password |
| *encrypted_password* | Encrypted default SXP password |

**Command Mode**

- /exec/configure

# cts sxp default source-ip

{ cts sxp default source-ip <source_ipaddress> } | { no cts sxp default source-ip }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sxp | Supply configuration for SXP parameters |
| default | Default SXP Source IP address |
| source-ip | Source IP Address |
| *source_ipaddress* | IP Address in format A.B.C.D |

**Command Mode**

- /exec/configure

# cts sxp enable

[no] cts sxp enable

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sxp | Supply configuration for SXP parameters |
| enable | Enable SXP |

**Command Mode**

- /exec/configure

# cts sxp reconcile-period

{ no cts sxp reconcile-period } | { cts sxp reconcile-period <timer_value> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sxp | Supply configuration for SXP parameters |
| reconcile-period | Configure reconcile timer period for SXP |
| *timer_value* | Reconcile timer period for SXP (default value: 120) |

**Command Mode**

- /exec/configure

# cts sxp retry-period

{ no cts sxp retry-period } | { cts sxp retry-period <timer_value> }

**Syntax Description**

| | |
|---|---|
| cts | Config commands for CTS |
| sxp | Supply configuration for SXP parameters |
| retry-period | Configure retry period for SXP |
| *timer_value* | Retry period for SXP (default value: 60) |

**Command Mode**

- /exec/configure

# customer-id

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

**Syntax Description**

| | |
|---|---|
| no | Negate a command or set its defaults |
| customer-id | customer id |
| *s0* | Provide customer id (as specified in the service agreement) |

**Command Mode**

- /exec/configure/callhome

# cut

| cut { -b <bytes> | -c <chars> | -f <fields> | -d <delim> | -s | --help } +

**Syntax Description**

| | |
|---|---|
| \| | Pipe command output to filter |
| cut | Print selected parts of lines. |
| -b | output only these bytes |
| -c | output only these characters |
| -d | specify other field delimiter (default is TAB). |
| -f | output only these fields also print any line that contains no delimiter character, unless the -s option is specified |
| -s | do not print lines not containing delimiters |
| *bytes* | {n\|n-\|n-m\|-m} N-th byte, N to end of line, N to M, start of line to N |
| *chars* | {n\|n-\|n-m\|-m} N-th char, N to end of line, N to M, start of line to N |
| *fields* | {n\|n-\|n-m\|-m} N-th field, N to end of line, N to M, start of line to N |
| *delim* | field separator char, TAB is default, use ' ' for space |
| --help | print help of underlying unix command |

**Command Mode**

- /output